

ALL PROGRAMS

AAAS 1000 Exploring Asian History & Cult (4 semester hours)

A study of Asian civilizations through history, literature, art, philosophy, and film. Topics to be covered will emphasize the intellectual, cultural, social, and political factors which shaped the civilizations of Asia and the Pacific.

University Core fulfilled: Foundations: Studies in American Diversity.

AAAS 1500 Exploring Asian Pacific American Studies (4 semester hours)

An introductory course which surveys the cultures and histories of Asian Pacific Americans in the United States. Interaction among various Asian Pacific Americans communities also will be discussed.

University Core fulfilled: Foundations: Studies in American Diversity.

AAAS 1998 Special Studies (1-4 semester hours)

AAAS 2100 Exploring Asian Literature (4 semester hours)

This course introduces students to major authors, texts, diverse genres, and themes in Asian literature. It examines the intricate connections between literary works and various cultural aspects, including philosophy, spirituality, religion, and aesthetics. It also explores how Asian literature actively contributes to discussions on topics such as modernity and tradition, gender and sexuality, trauma and violence, memory and identity, among others. Through the critical analysis of Asian literary works, this course aims not only to enhance students' analytical skills but also to cultivate a deeper and more nuanced understanding of Asian culture, history, and society. Please note that specific coverage may vary at the discretion of individual instructors.

University Core fulfilled: Integrations: Interdisciplinary Connections

AAAS 2200 Exploring Asian Societies (4 semester hours)

The course explores sociocultural dynamics in modern and contemporary Asia. We will question: How did Asian societies adapt to "Western" influences in the 19th and 20th centuries? How have modernization and globalization transformed traditional social, cultural, gender, and religious dynamics in Asia? By discussing these questions using academic literature in History, Anthropology, and Sociology, students will develop critical insights into contemporary social and cultural phenomena across Asia.

Core fulfilled: Understanding Human Behavior

AAAS 2400 Asian Pacific American Literature (4 semester hours)

A survey of Asian Pacific American writers and their literature, using critical analysis of autobiographies, short stories, novels, poetry, essays, and films.

University Core fulfilled: Explorations: Creative Experience.

AAAS 2500 Contemporary Issues of Asian Pacific Americans (4 semester hours)

Topical studies of timely and pertinent contemporary interest involving Asian Pacific Americans in the United States.

University Core fulfilled: Explorations: Understanding Human Behavior; Flag: Engaged Learning.

AAAS 2800 Food in Asia, Asia in Food (4 semester hours)

Food is an essential part of human (and non-human)'s biological survival, but its production, circulation, and consumption are complicatedly intertwined with political, economic, social, ethical, and cultural problems. In this course, students will deepen their understanding of Asian societies and communities through careful observation, analysis, and reflection on Asian food. The course combines academic discussion of anthropological texts with experimental fieldwork in Asian communities in Los Angeles. In this way, students will apply what they learn from the classroom to their everyday lives and milieu.

University Core Fulfilled: Flag: Engaged Learning.

AAAS 2998 Special Studies (1-4 semester hours)

AAAS 2999 Independent Studies (1-4 semester hours)

AAAS 3001 Christianity in Asia (4 semester hours)

The history of Christianity in Asia is as old as the history of Christianity itself. But while much has been told about Christianity as it grew from an obscure Jewish sect to mighty Western Christendom, not enough attention has been given to the Christianity which spread eastwards to Asia in the first millennium of the Christian era. This course seeks to correct the imbalance by introducing students to the history of Christianity in Asia. It traces the development of Christianity in different parts of Asia, both in the ancient times and since the Age of Discovery.

University Core fulfilled: Integrations: Faith and Reason.

AAAS 3005 Asian Mythology (4 semester hours)

This class will examine mythology and folktales from various Asian traditions: China, Japan, Korea, and India. The reading materials will be examined through psychological, philosophical, and cultural approaches. The topics for discussion include creation myths, heaven and hell, the mythic hero, metamorphosis, and immortality.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 3100 Popular Culture in East Asia (4 semester hours)

This course will explore the role of popular culture in the social production of meaning and creation of identity. The site of study will be popular culture in East Asia (China, Japan, and Korea) and "East Asian" popular culture abroad. It aims to impart to students the theoretical and analytical tools necessary to conduct in-depth interdisciplinary research on the mechanisms, implications, and functions of popular culture. By exploring myriad forms of popular culture - popular literature, film, manga, television, music, posters, fashion, material culture, etc. - that span modern Asian history from the early 20th century to today, students will gain a critical understanding of culture, politics, and history of the East Asian region.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 3102 Modern Asian Literature (4 semester hours)

This course examines twentieth-century Asian fiction through the study of novels, short stories, novellas, biographies, diaries, and film. The class will also study major literary trends and movements.

AAAS 3170 Contemporary Chinese Cinema (4 semester hours)

This course provides an introduction to contemporary Chinese cinema. It focuses not only on the "poetics of cinema" (cinematic language, styles, and aesthetics) but also the "politics of cinema" that emphasize contemporary Chinese cinema's engaging dialogue with Chinese history and its critical intervention into key socio-political issues facing post-Mao China. It concerns itself with such issues relating to history and memory, modernity, and nationhood; family, gender, and sexuality; urbanization, migration, and transnational formations; and Hong Kong and Taiwan identities. University

Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 3200 Economic and Political Issues in Contemporary Asia (4 semester hours)

What is happening in Asia today? How are these political and economic events related to the historical formation of Asian societies? How are Asian countries and people interconnected with one another to shape current events? This three-part course introduces a few crucial moments, places, people, things, and ideas that have shaped Asian societies in the 20th and 21st centuries. The first part focuses on the colonial and imperial orders in the early 20th century and how they affect the current political debates in Asia. The second part examines the series of wars and violence in mid-20th century Asia and lingering trauma. The third part explores the economic development in the late 20th and early 21st century Asia and its implication on gender, class, and culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 3201 Environmental Justice in Asia (4 semester hours)

Explores diverse histories of environmental crises across Asia, with emphasis on creative works of artists, performers, and activists in imagining just futures.

Core fulfilled: Ethics and Justice

AAAS 3860 Transpacific Korea (4 semester hours)

How can we understand Korean society, not within a narrow scope of South Korea but through transpacific mobility and connections of Korean people, commodities, and cultures? Drawing upon the literature in Anthropology, Sociology, History, and Media Studies, Transpacific Korea aims to develop students' perspectives on the transnational mobilities, connections, and dynamics that have shaped Korean societies and communities. Through class reading and discussion on Korea's recent histories, students will contextualize the implication of colonialism, cold war, and neoliberalism in contemporary Korean societies. Students will build up knowledge of Korean society and culture in global contexts by reading and discussing sociological literature on South Korea and overseas Korean communities. Based on the interdisciplinary approaches that students will develop in this course, students will analyze and discuss the artistic representation of Korean societies and cultures in film and conduct independent research on Transpacific Korea around Us.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 3880 Transpacific Japan (4 semester hours)

Using a diasporic lens, this course engages in an interdisciplinary examination of the histories, lives and experiences of Japanese Americans and Japanese migrants while exploring the concepts of resilience, resistance, and reconciliation. Using this broader lens the class will explore a wide range of Japanese American history from initial migration to the U.S. in the mid-19th century to current day. We will explore the challenges and celebrations of establishing Japanese American communities and the questions of cultural retention and revitalization. Additionally, we will take note of the impacts simultaneous events in homeland Japan on transnational identity formations.

Consent of instructor required.

AAAS 3998 Special Studies (1-4 semester hours)**AAAS 3999 Independent Studies (1-4 semester hours)****AAAS 4100 Topics in Asian Literature (4 semester hours)**

The subject matter of this course will vary from semester to semester.

AAAS 4110 East Asian Science Fiction (4 semester hours)

East Asian science fiction is the indigenization of a Western literary import at the intersection of many disciplines. This genre requires imagination and critical thinking on speculative topics that may or may never happen in our lifetimes. Despite the fictional aspect, many ideas and concepts from science fiction have permeated society due to how ubiquitous these works have become. The huge number of East Asian science fiction works produced in the past few decades reflects the influence of Western media and the rapid technological evolution and imagination in the Asian mediascape. Many East Asian science fiction narratives decentralize the importance of the West, focusing on China, Taiwan, Hong Kong, Japan, or Korea as sites of inspiration, resources, or calamity. This decentralization calls into question the power and privilege of Western narratives and storytelling in the past, and what changes can be made in modes of thinking through indigenizing Western tropes. East Asian science fiction thus demonstrates globalized media through local art and culture, and the rapid diversification of local media.

AAAS 4170 Hong Kong Cinema (4 semester hours)

This course critically explores one of the world's most popular, dynamic, and innovative cinemas - Hong Kong cinema. Situating Hong Kong cinema in historical, artistic, and transnational contexts, this course examines major developments in Hong Kong cinema running from the war time cinema, the rise of martial arts movies and their influx into the United States, the international breakthrough of the "New Wave," Hong Kong filmmaking before and after the 1997 handover to China, to Hollywood remakes of Hong Kong films in recent years. The class will focus on issues relating to filmic nationalism, transnational film production and consumption; migration, identity, and community formation; nostalgia, memory, and post-colonialism; and family, gender, and sexuality.

AAAS 4201 Women and Gender in Asia (4 semester hours)

This course employs interdisciplinary methods to examine the problems and issues confronting women in Asia from pre-modern times to the contemporary era. Drawing on the scholarly insights of gender studies, history, literature, philosophy, anthropologies, film and media studies, we will explore how the concepts of womanhood and gender in Asia are constructed, institutionalized, appropriated, and reinterpreted in different socio-historical discourses. We will interrogate the underlying mechanisms that tend to perpetuate Asian women's marginality and subordination. At the same time, we will pay particular attention to new perspectives on women's roles in current scholarship and look into women's ongoing negotiation with their gender identity and their struggles for empowerment and agency.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 4270 Gender and Family in China (4 semester hours)

The course explores gender, sexuality, and family dynamics in contemporary China. We will question: How does post-socialist market reform affect traditional gender roles in China? Do new forms of sexuality and gender identities emerge in globalizing cosmopolitan China? How do the Chinese envision futures through raising children? By discussing these questions, students will deepen their understanding of contemporary China while developing comparative and critical insights into gender, sexuality, and family.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 4400 Asian American Visual Culture and Art (4 semester hours)**AAAS 4500 Immigration and Los Angeles (4 semester hours)**

An interdisciplinary and comparative examination of the historical role of immigration and migration in shaping the Los Angeles region as well as the social, political, economic, and cultural impact of immigration in contemporary Los Angeles. University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 4501 Multiracial Americans in the American Imagination (4 semester hours)

This course engages in an interdisciplinary examination of the identity development of persons of mixed-race ancestry in the United States through which students derive a critical understanding of race, ethnicity, and culture, while developing a deeper appreciation for ethnic, class, gender, generational, and racial diversity. University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 4502 Multiracial America in America (4 semester hours)

This course engages in an interdisciplinary examination of the identity development of persons of mixed-race ancestry in the United States through which students derive a critical understanding of race, ethnicity, and culture, while developing a deeper appreciation for ethnic, class, gender, generational, and racial diversity. University Core fulfilled: Integrations: Interdisciplinary Connections.

AAAS 4701 Asian and Asian American Women Writers (4 semester hours)

This is a cross-cultural study of Asian women writers through the readings of poetry, short stories, autobiographies, diaries, and novels. Most readings are derived from contemporary female writers from China, Japan, Korea, Hong Kong, Taiwan, and the United States.

AAAS 4998 Special Studies (1-4 semester hours)**AAAS 4999 Independent Studies (1-4 semester hours)****AAAS 5000 Senior Integrating Seminar (4 semester hours)**

This course is the capstone requirement for students in Asian and Pacific Studies. It offers a unique opportunity for students to draw together the various strands in the different academic courses they have taken and to focus much more closely on a specific Asian topic in a thesis project. To fulfill the purpose of the course and the Asian and Pacific Studies program's commitment to interdisciplinarity, the thesis must have integrated and interdisciplinary elements.

ACCT 3110 Intermediate Accounting I (4 semester hours)

This course begins the in-depth study of financial accounting and reporting. Topics covered include the environment of the standard setting process for financial reporting, the conceptual framework, basic financial accounting concepts, accounting cycle procedures, financial statement preparation and financial disclosures, basic ratio analysis, revenue recognition, present value applications, and accounting standards and procedures for cash, notes and accounts receivable, and inventories. Uses and limitations of the balance sheets, income statements, and statements of cash flows are studied. Researching accounting issues through the use of the FASB's Codification database is integrated throughout the course.

Prerequisite: BCOR 2110 with a minimum grade of C (2.0).

ACCT 3120 Intermediate Accounting II (4 semester hours)

This course continues the in-depth study of financial accounting and reporting introduced in ACCT 3110. The conceptual and procedural aspects of some of the complex and controversial topics in financial accounting are studied from both the U.S. and an international accounting perspective. Topics include the accounting for property, plant, and equipment, intangible assets, investments, long-term debt, leases, deferred income taxes, contingent liabilities, and several issues relating to stockholders' equity. Coverage of these topics includes an historical perspective, current practice, awareness of limitations in current practice, and possible future directions. Researching accounting issues through the use of the FASB's Codification database is integrated throughout the course.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

ACCT 3130 Strategic and Managerial Analysis (4 semester hours)

This course integrates data analytics with strategic business issues and managerial accounting. It covers topics such as cost analysis and estimation, cost management systems, and management control systems that primarily serve the decision-making needs of internal users and are generally applicable to all types of businesses. In introducing these topics, this course emphasizes the data analytics tools and skills that are frequently used by accountants, managers and/or consultants to make data-driven strategic decisions.

Prerequisite: BCOR 2120 with a minimum grade of C (2.0) and either BCOR 2710 or BCOR 2720 with a minimum grade of C (2.0).

ACCT 3140 Accounting Information Systems (4 semester hours)

This course extends the study of accounting information systems including design, operation, and control of enterprise accounting systems. It focuses on business cycles, transaction processing, database design, documentation, business process, risk assessment, and internal controls. Various computer applications are used to provide hands-on experience in accounting information collection, processing, and reporting to reinforce financial and managerial accounting concepts. The course also examines emerging technologies in accounting as well as data and analytics concepts and tools.

Prerequisites: BCOR 2120 with a minimum grade of C (2.0) and either BCOR 2710 or BCOR 2720 with a minimum grade of C (2.0).
Accounting majors and minors only.

ACCT 3197 Internship (1 semester hour)

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).
Credit/No Credit only.

ACCT 3198 Special Studies (1-3 semester hours)**ACCT 4110 Advanced Accounting (4 semester hours)**

This course completes the undergraduate study of financial accounting and reporting. An emphasis is placed on consolidated financial statements. Additional topics covered include foreign currency transactions and hedging foreign exchange risks, translation of the financial statements of foreign entities, and governmental accounting for local and state governments.

Prerequisite: ACCT 3120 with a minimum grade of C (2.0).

ACCT 4120 Federal Income Taxation (4 semester hours)

The course focuses on Federal income tax planning and compliance for individuals and business entities, such as partnership and corporations. It involves study of the accounting, economic, legal, and political aspects underpinning taxation systems in order to better understand the role of taxation in personal and business decisions.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest (4 semester hours)

Accountants and the accounting profession play an important role in society. The role is examined through an in-depth study of accounting ethics, professionalism, and the public interest. Students learn about and analyze the history, legal, and ethical responsibilities of professionals and the profession. The course also will expose students to examines stakeholder theory and global sustainability issues and reporting. Major ethical theories and foundations are introduced and analyzed before applying them to ethical and justice issues, moral reasoning, and ethical decision making in professional accounting and business contexts. Students are encouraged to adopt the objectivity, integrity, and ethical standards necessary to serve society as an accounting professional.

Prerequisite: ACCT 3110, with a minimum grade of C (2.0).
University Core fulfilled: Integrations: Ethics and Justice.

ACCT 4160 Auditing (4 semester hours)

This course covers the Audit Profession, including the responsibilities of the auditor and the role of the regulatory bodies in maintaining the accountability of the accounting profession. It places heavy emphasis on the financial statement audit, the audit of an entity's internal controls over financial reporting, the identification of financial statement reporting risks and the auditor's response to those risks using methodologies, tools, and techniques. In addition, the course covers important and/or required auditor activities and communications in connection with an audit of an entity's financial statement, including the content of the various audit report options.

Prerequisites: ACCT 3120, ACCT 3140, and ECON 2300 or ECON 2350 or MATH 104, with a minimum grade of C (2.0).

ACCT 4180 Fraud Examination (3 semester hours)

This course covers the major methods employees use to commit occupational fraud. Specific methods covered include: financial statement fraud, asset misappropriation, and corruption schemes. Students will learn how and why occupational fraud is committed, how to assess where an organization is at the greatest risk for fraud, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved.

Prerequisites: ACCT 3110 and ACCT 3140, both with a minimum grade of C (2.0).

ACCT 4198 Special Studies (1-4 semester hours)**ACCT 4199 Independent Studies (1-3 semester hours)****ACCT 5110 Advanced Accounting Topics (3 semester hours)**

A graduate study of financial accounting and reporting. This course includes coverage of the accounting and reporting for investment activities of businesses including the equity method of accounting for investments; business combinations; the reporting of consolidated financial statements; the recording of foreign currency transactions and hedging foreign exchange risk; the translation of foreign financial statements; and an introduction to accounting and reporting the activities of state and local governmental units.

Prerequisite: ACCT 3120 with a minimum grade of C (2.0).
Graduate standing or MSA 4+1 required.

ACCT 5120 Federal Income Taxation (3 semester hours)

The course focuses on Federal income tax planning and compliance for individuals and business entities, such as partnership and corporations. It involves study of the accounting, economic, legal, and political aspects underpinning taxation systems in order to better understand the role of taxation in personal and business decisions.

ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest (3 semester hours)

Accountants and the accounting profession play an important role in society. The role is examined through an in-depth study of accounting ethics, professionalism, and the public interest. Students learn about and analyze the history, legal, and ethical responsibilities of professionals and the profession. The course also will expose students to stakeholder theory and global sustainability issues. Major ethical theories are introduced and analyzed before applying them to ethical and justice issues, moral reasoning, and ethical decision making. Students are encouraged to adopt the objectivity, integrity, and ethical standards necessary to serve society as an accounting professional.

Graduate standing or MSA 4+1 required.

University Core fulfilled: Integrations: Ethics and Justice

ACCT 5160 Auditing (3 semester hours)

This course covers the Audit Profession, including the responsibilities of the auditor and the role of the regulatory bodies in maintaining the accountability of the accounting profession. It places heavy emphasis on the financial statement audit, the audit of an entity's internal controls over financial reporting, the identification of financial statement reporting risks and the auditor's response to those risks using methodologies, tools, and techniques. In addition, the course covers important and/or required auditor activities and communications in connection with an audit of an entity's financial statement, including the content of the various audit report options.

ACCT 5180 Fraud Examination (3 semester hours)

The course covers the major methods employees use to commit occupational fraud. Specific methods covered include: financial statement fraud, asset misappropriation and corruption schemes. Students will learn how and why occupational fraud is committed, how to assess where an organization is at the greatest risk for fraud, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved.

Graduate standing or MSA 4+1 required.

ACCT 5198 Special Studies (1-3 semester hours)**ACCT 6114 The CFO Perspective (3 semester hours)**

The roles and responsibilities of the Chief Financial Officer (CFO) in multiples industries and contexts are examined in depth to understand the relationships among the financial, operational, sustainability, and strategic issues of the firm. Multiple perspectives on the role of the CFO are explored.

Graduate standing required.

ACCT 6120 Taxes Research and Strategy (3 semester hours)

The purpose of this course is to provide a framework for understanding how taxes affect business decisions. The framework considers contracting parties, federal taxes, and relevant costs. The course uses tax research to explore topics related to this framework such as tax planning for investments; tax planning for mergers, acquisitions, and divestitures; and domestic and international tax planning. While covering these issues, the course explores related structural flaws and biases present in tax law and the tax lawmaking process.

ACCT 6121 Tax Technology and Transformation (3 semester hours)

The purpose of this course is to train students in the cutting-edge technologies and analytics techniques used by ever-transforming public accounting firm tax divisions. Leveraging various technologies and analytics techniques, students will demonstrate the ability to clean, analyze, and present conclusions using both large and small datasets.

Graduate standing required.

ACCT 6122 Income Taxation of Corporations and Shareholders (3 semester hours)

This course discusses the concepts and principles governing the taxation of corporations and their shareholders. Topics covered include the effects of taxes on corporate formation, capital structure, dividends, redemptions, and liquidations as well as the tax effects of corporate restructuring transactions; divisions and, reorganizations, and carryovers of tax attributes.

Graduate standing required.

ACCT 6123 Taxation of Individuals and Family Wealth (3 semester hours)

This course examines the theory and principles of the federal taxation of individuals and their accumulated wealth. The course includes topics such as planning for compensation, stock options, and benefits, the sale and/or exchange of investments, losses, damages and settlements, and planning for family wealth, including charitable giving and principles of trust, estate, and gift taxation. This course will also examine the impact of tax principles and theory on taxpayers of different income and resource levels.

Graduate standing required.

ACCT 6124 Taxation of Flow-Through Entities (3 semester hours)

This course discusses the concepts and principles of taxation of flow-through entities, including: S corporations, limited liability partnerships (LLPs) and limited liability companies (LLCs). The course involves the tax consequences to the shareholders, partners, and members of these entities including formation, operation, sale, and liquidation.

Graduate standing required.

ACCT 6125 State and Local Taxation (3 semester hours)

This course explores the taxes imposed by state and local governments, including income, sales, property, and transfer taxes; the effect of state and local taxes on multistate operations; and the interrelationship of state, local and federal taxation.

Graduate standing required.

ACCT 6126 International Taxation (3 semester hours)

This course discusses the concepts and principles of the taxation of U.S. sourced income from investments and business in the U.S. by foreign individuals and entities, including foreign corporations with branches in the U.S. Also studied is the taxation of foreign sourced earnings of U.S. corporations, U.S. citizens, and U.S. residents. These topics include the study of tax treaties that may impact such taxation.

Prerequisite: ACCT 6122 with a minimum grade of C (2.0).
Graduate standing required.

ACCT 6127 Accounting for Income Taxes (3 semester hours)

This course provides a comprehensive examination of the income tax accounting guidance in ASC 740. Topics covered include temporary and permanent differences, measurement of deferred tax assets and liabilities, computation of current and deferred income tax expense or benefit, balance sheet classification, income statement presentation, and required disclosures.

Graduate standing required.

ACCT 6128 Income Taxation of Property Transactions (1.5 semester hours)

This course covers the rules governing the taxation of gains and losses from sales, exchanges and other transactions involving property, especially real estate. The class analyzes these issues through the lens of tax planning.

Graduate standing required.

ACCT 6129 Tax Practice and Procedures (1.5 semester hours)

This course covers the rules governing tax reporting and collection; the administrative and judicial procedures for settling tax controversies; and the rights and obligations of taxpayers and tax practitioners.

Graduate standing required.

ACCT 6130 Accounting Analytics for Decision Making (3 semester hours)

This course examines management decision making in a complex and ambiguous environment by utilizing data analytics tools. It covers topics such as costs and resource optimization, activity-based management, customer profitability analysis, breakeven under uncertainty, strategic pricing decisions, performance evaluation and control, and strategic analysis of operating income.

Graduate standing required.

ACCT 6160 Advanced Auditing (3 semester hours)

This course examines advanced topics in financial statement auditing, such as: influence of capital market intermediaries, auditor litigation, due diligence of issues and clients, detecting errors and fraud, analytical procedures, impairment reviews, going-concern assessment, integrating substantive audit procedures with COSO, Sarbanes-Oxley prescribed reviews of internal controls over financial reporting, risk detection and assessment/quantification, and hands-on computer assisted audit tools and techniques (CAATTs).

Graduate standing required.

ACCT 6170 Accounting Research and Communication (3 semester hours)

This course covers professional accounting research and the environment of financial reporting. This includes identifying issues in accounting and financial reporting, researching authoritative guidance, analyzing alternatives, developing conclusions and recommendations, and communicating the results orally and in writing. This course also examines how accounting information can be used to reduce economic and social inequity embedded in corporate structures and practices. Additionally, this course introduces students to academic research by surveying significant areas of accounting research.

Graduate standing required.

ACCT 6196 Advanced Problem Solving and Analysis (3 semester hours)

The course is focused on the analysis and interpretation of complex accounting problems, and is designed to help students prepare for the practice and theory portions of the Uniform CPA Examination. The course is focused on content tested on the CPA exam that other classes at LMU do not cover.

Graduate standing required.

ACCT 6197 Internship Experience (1-3 semester hours)

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

Graduate standing required.

Credit/No Credit only.

ACCT 6198 Special Studies (1-3 semester hours)

Graduate standing required.

ACCT 6199 Independent Studies (1-3 semester hours)

Graduate standing required.

AERO 100 The Foundation of the United States Air Force I (1 semester hour)

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officers Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, officer career field opportunities, group leadership experiences, and an introduction to communication skills.

AERO 101 The Foundation of the United States Air Force II (1 semester hour)

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officers Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, officer career field opportunities, group leadership experiences, and an introduction to communication skills.

AERO 102 Laboratory I (0 semester hours)

Students are exposed to leadership experiences by learning basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities.

(Taken concurrently with AERO 100, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 103 Laboratory II (0 semester hours)

Students are exposed to leadership experiences by learning basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities.

(Taken concurrently with AERO 101, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 199 Leadership Laboratory Elective (1 semester hour)

This course will explore various Air Force officership, leadership, and character topics.

AERO 200 The Evolution of USAF Air and Space Power I (1 semester hour)

A course designed to examine general aspects of air and space power through a historical perspective. Featured topics include: a study of Air Force history and heritage, significant Air Force leaders and their contributions, and key service issues, ethics, and values. Students give oral and written presentations and participate in group leadership exercises.

AERO 201 The Evolution of USAF Air and Space Power II (1 semester hour)

A course designed to examine general aspects of air and space power through a historical perspective. Featured topics include: a study of Air Force history and heritage, significant Air Force leaders and their contributions, and key service issues, ethics, and values. Students give oral and written presentations and participate in group leadership exercises.

AERO 202 Laboratory III (0 semester hours)

Students are exposed to leadership experience by directing others in basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities.

(Taken concurrently with AERO 200, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 203 Laboratory IV (0 semester hours)

Students are exposed to leadership experience by directing others in basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities.

(Taken concurrently with AERO 201, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 300 Air Force Leadership Studies I (3 semester hours)

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and advanced communication skills. Case studies are used to examine Air Force leadership and management situations by demonstrating and exercising practical application of the concept being studied.

AERO 301 Air Force Leadership Studies II (3 semester hours)

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and advanced communication skills. Case studies are used to examine Air Force leadership and management situations by demonstrating and exercising practical application of the concept being studied.

Corequisite: AERO 303.

AERO 302 Laboratory V (0 semester hours)

Students experience leadership by supervising basic military drill and ceremonies, and planning and participating in physical fitness activities and challenging group activities.

(Taken concurrently with AERO 300, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 303 Laboratory VI (0 semester hours)

Students experience leadership by supervising basic military drill and ceremonies, and planning and participating in physical fitness activities and challenging group activities.

(Taken concurrently with AERO 301, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 400 National Security Affairs Preparation for Active Duty I (3 semester hours)

Students examine the national security process, regional studies, the complexities of just war theory and how it relates to the laws of armed conflict, advanced leadership ethics, and Air Force and Joint Doctrine. Special topics of interest focus on the military profession, officership, civilian control of the military, and current issues. Effective communication skills continue to be emphasized.

AERO 401 National Security Affairs Preparation for Active Duty II (3 semester hours)

Students examine the national security process, regional studies, the complexities of just war theory and how it relates to the laws of armed conflict, advanced leadership ethics, and Air Force and Joint Doctrine. Special topics of interest focus on the military profession, officership, civilian control of the military, and current issues. Effective communication skills continue to be emphasized.

AERO 402 Laboratory VII (0 semester hours)

Students assume full responsibility for planning and running the leadership laboratory to include control of budgets and equipment, directing military drill and ceremonies, planning and participating in physical fitness activities, organizing trips and formal dinners, and designing and executing challenging group activities.

(Taken concurrently with AERO 400, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 403 Laboratory VIII (0 semester hours)

Students assume full responsibility for planning and running the leadership laboratory to include control of budgets and equipment, directing military drill and ceremonies, planning and participating in physical fitness activities, organizing trips and formal dinners, and designing and executing challenging group activities.

(Taken concurrently with AERO 401, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

AERO 598 Special Studies (0-3 semester hours)**AFAM 1050 Race in Contemporary Society (4 semester hours)**

This course examines current depictions of, and discussions around black people through many lenses, including various forms of media and social media, popular culture, and politics.

University Core fulfilled: Foundations: Studies in American Diversity.

AFAM 1211 Introduction to African American Studies (4 semester hours)

An introductory course designed to give an overview of African American Studies in order to familiarize the student with the history, culture, aspirations, and contemporary issues of the African American experience.

University Core fulfilled: Foundations: Studies in American Diversity.

AFAM 1998 Special Studies (1-4 semester hours)**AFAM 1999 Independent Studies (1-4 semester hours)****AFAM 2221 Black Cultural Arts (4 semester hours)**

A study of the Black Aesthetic as expressed in cultural productions such as music, dance, theatre, film, television, painting, sculpture, and literature along with the intersection of the cultural politics of race in American society.

University Core fulfilled: Foundations: Studies in American Diversity.

AFAM 2243 African American Studies Research Methods (4 semester hours)

An introduction to the methods used to acquire and disseminate knowledge about the systems and policies that affect the African American Community.

University Core fulfilled: Foundations: Quantitative Reasoning.

AFAM 2261 Gospel Choir I (1 semester hour)

Students participating in LMU Gospel Choir enroll in this course.

AFAM 2262 Gospel Choir II (1 semester hour)

Students participating in LMU Gospel Choir enroll in this course.

Prerequisite: AFAM 2261.

AFAM 2263 Gospel Choir III (1 semester hour)

Students participating in LMU Gospel Choir enroll in this course.

Prerequisite: AFAM 2262.

AFAM 2264 Gospel Choir IV (1 semester hour)

Students participating in LMU Gospel Choir enroll in this course.

Prerequisite: AFAM 2263.

AFAM 2623 Comics, Race, and Representation (4 semester hours)

Comic books are considered one of only two original American art forms (jazz is the other), and American culture is thoroughly imbued with their influence and iconography. This course explores perspectives and debates concerning the way comic books have presented, engaged, promoted, and rejected notions related to race, particularly Black racial formations, in America.

AFAM 2998 Special Studies (1-4 semester hours)**AFAM 2999 Independent Studies (1-4 semester hours)****AFAM 3112 Black Religion and Social Justice (4 semester hours)**

This course examines the history of the African American church (broadly defined) as well as its important role in social activism.

University Core fulfilled: Integrations: Interdisciplinary Connections.

AFAM 3211 African American History (4 semester hours)

An analysis of the historical forces which shaped the African American experience in America from past to present.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Engaged Learning.

AFAM 3231 The African American Religious Tradition (4 semester hours)

An examination of the history and practices of the African American church and the role it has played in the development of African American identity, culture, and social activism.

University Core fulfilled: Faith and Reason.

AFAM 3241 Africana Philosophy (4 semester hours)

An exploration of themes and movements in Africana philosophy with special emphasis on the critique of exclusively Eurocentric philosophical paradigms.

AFAM 3308 Major Themes in African American History (4 semester hours)

Explores the major historical themes in African American History such as Slavery and Freedom, The Harlem Renaissance, Civil Rights and Black Power, and African Americans at the Turn of the 21st Century.

University Core fulfilled: Flag: Engaged Learning.

AFAM 3420 Black Queer Theory (4 semester hours)

Black Queer Theory examines the systems that maintain the status quo, as well as how, Africana LGBTQIAP folx interrogate their social, cultural, political, and economic positions.

AFAM 3432 Black Families (4 semester hours)

This course traces the development of family theory, meanings, representation, and formation from the period of slavery up to recent times. The course engages long-standing and current debates about black families in the research scholarship across disciplines and in the society at large.

University Core fulfilled: Flag: Engaged Learning.

AFAM 3621 African American Literature (4 semester hours)

A study of the major themes in selected works of African American literature; examination of their social, historical, cultural, and contemporary significance.

AFAM 3623 American Cinema and Black Representation (4 semester hours)

In the post-Civil Rights era, African Americans are a part of American culture in ways that reflect not only a high degree of visibility but also extraordinary popularity. American cinema is a significant visual medium that has delivered various representations of Black people, racial progress, and notions of racial pathology (whether real or fictional). This course examines how American cinema has defined the issue of race in American society.

AFAM 3643 Black Community Engagement (4 semester hours)

A survey of the effects of long-standing discrimination and deprivation of family structure, occupational patterns, health and educational conditions, motivation, and personal as well as group identity.

University Core fulfilled: Flag: Engaged Learning.

AFAM 3800 Social Justice Internship/Research Experience (1-4 semester hours)

An opportunity to connect the academic side of African American Studies with the black community. Students will work with a community organization or conduct research in the area of African American Studies.

AFAM 3998 Special Studies (1-4 semester hours)**AFAM 3999 Independent Studies (1-4 semester hours)****AFAM 4223 Race in Popular Culture (4 semester hours)**

This course examines how black people have been portrayed in various forms of popular culture and how those portrayals have impacted the race in our society.

AFAM 4241 Race, Gender, and the Law (4 semester hours)

This course will explore the ways in which the American legal system has contributed to the shaping of race and gender in American culture.

AFAM 4422 Hip Hop Culture (4 semester hours)

A study of how and why hip hop has become a global phenomenon, examining themes within hip hop culture with a primary focus on race, gender, class, sexuality, and youth politics of hip hop.

AFAM 4433 Black Culture and Identities (4 semester hours)

This course focuses on a critical interrogation of notions of blackness and authenticity in racial identification. The course examines constructions and (mis)representations of blackness, mixed race, as well as trans-national expressions of culture, resistance, and self-expression in the construction of family and identities.

AFAM 4631 Black Los Angeles (4 semester hours)

An analysis of the social, economic, political, environmental, and spatial characteristics of Los Angeles. Students will be introduced to various theories and methods of examining urbanization, racial segregation, and economic development in order to develop a critical understanding of the contemporary circumstances of Blacks in Los Angeles.

AFAM 4641 Capstone Project (4 semester hours)

Designed as a capstone experience for African American Studies majors and minors. In the seminar format, students will be challenged to integrate knowledge, skills gained in course work, and life experiences into a meaningful project that meets the challenge of academic excellence and social responsibility.

Senior standing required.

AFAM 4642 Sex, Race, and Violence (4 semester hours)

This course examines the issues of sex, race, and violence and their implications for the individual, the family, and the community. Emphasis is placed on the role of socialization and the myths that impact societal attitudes about sex and violence. Students have an opportunity to identify and to explore factors that influence the manifestation of physical violence (including dating violence, child abuse, and domestic violence), and sexual violence (including date rape, stranger rape, and marital rape) across the dimensions of race, ethnicity, and gender.

AFAM 4644 African American Social Thought (4 semester hours)

A survey of the development of African American social thought with special emphasis on current philosophies that influence contemporary African American social movements.

AFAM 4645 Race, Health, and Social Justice (4 semester hours)

This course explores prominent themes, queries and applications toward an understanding of race/ism, health, and society.

AFAM 4998 Special Studies (1-4 semester hours)**AFAM 4999 Independent Studies (1-4 semester hours)****AFAM 5998 Special Studies (1-4 semester hours)****AFAM 5999 Independent Studies (1-4 semester hours)****AIMS 3710 Database Management Systems (4 semester hours)**

This course is intended for the student who wishes to become more proficient at developing and managing database applications. It is designed to provide an introduction to the conceptual foundations underlying database management systems, with an emphasis on its applications in business and organizations. The course begins with an introduction to the fundamental principles of database design - from data modeling to the actual implementation of a business application. This part of the course will employ lectures describing database theory, as well as hands-on tutorials demonstrating database concepts using a DBMS package. Particular emphasis will be placed on the careful planning and analysis of business needs, which will lead to the appropriate development of an Entity-Relationship Model. Using these principles, each student will design and implement a database application using a DBMS product. The second part of the course will further investigate the principles of relational model, which is the basis for the most popular DBMS products on the marketplace today (i.e., Oracle, SQL Server, MS Access, MySQL). Topics to be studied include relational algebra, Structured Query Language (SQL), and maintaining data integrity in a relational design. In addition, important managerial concerns will be covered including database administration and the management of multi-user databases.

Prerequisite: ACCT 3140 or AIMS 2710, or BCOR 2710 with a grade of C- (1.7) or higher.

AIMS 3720 Systems Analysis and Design (4 semester hours)

This course introduces established and evolving methodologies for the analysis, design, and development of a business information system. Concepts taught include systems modeling of business processes, requirement analysis, logical and conceptual design, prototype development, testing, and implementation strategies. Upon completion, students should be able to analyze a business problem and design an appropriate solution using a combination of tools and techniques.

Prerequisite: AIMS 2710 or BCOR 2710 with a minimum grade of C, or permission of instructor and approval of Associate Dean.

AIMS 3730 Programming for Business Applications (4 semester hours)

This course is an introduction to programming with an emphasis on its business application capability. Students will learn the basic techniques of programming from concepts to code, including problem analysis, program design, documentation, testing and debugging. The objectives of this course are: making students comfortable with fundamental programming terminology and concepts, including data type, input/output, control statements methods, arrays, strings, and files, along with web, data, and analytics applications; giving students hands-on practical experience with defining and solving problems; and illustrating to students how their programming skills can be translated into working business applications.

Prerequisite: AIMS 2710 or BCOR 2710 with a grade of C (2.0) or higher.

AIMS 3797 Internship (1 semester hour)

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

AIMS 4715 Developing Business Applications Using SQL (4 semester hours)

Students looking to work with data must know how to extract data from databases using SQL (Structures Query Language). Students will gain hand-on SQL experience to create databases, construct complex relational queries, develop database programs (views, transactions, triggers, functions, and stored procedures), and write Python code to issue SQL queries for analytics and application development purposes. The SQL syntax covered is supported by many popular databases, such as Oracle, MySQL, Microsoft SQL Server, and PostgreSQL. The course will cover SQL usage for common roles such as a software developer, data scientist, and a business analytics manager.

Prerequisites: ACCT 3140 or AIMS 2710 or BCOR 2710; and AIMS 3710, all with a grade of C- (1.7) or higher.

AIMS 4740 Financial Modeling and Analytics (4 semester hours)

This course develops spreadsheet modeling skills and quantitative analysis tools including VBA and Python to support financial decision-making. Hands-on experience in the development of spreadsheet forecasting, simulation, and optimization models for applications in valuation, cash budgeting, and financial planning and portfolio management will be provided as well as techniques for collecting, processing, visualizing, and exploring semi-structured financial data for analysis.

Prerequisites: BCOR 3750; and BCOR 3410 or FNCE 3400, all with a grade of C (2.0) or higher.

AIMS 4755 Introduction to Big Data (4 semester hours)

Ability to process and draw valuable business insights from big data has become central to competitiveness and survival for many industries. However, older and current technologies are not effective in handling big data, and the challenges have pushed the industry to invent fundamentally new ways of capturing, storing, retrieving, processing, and analyzing data. This course introduces students to the fundamental concepts of big data, their sources, and how analytics on big data are designed and implemented. With that foundation, this course will expose students to big data and related new generation platforms and technologies. Students will gain insights into the challenges and techniques of analyzing unstructured data that are generated through various social media and other interactive platforms. Students will also learn the fundamentals of non-relational NoSQL databases, distributed file system, and massively parallel processing used extensively in big data processing. The course will also students to acquire introductory-level proficiencies in hands-on skills involving some big data platforms and tools such as Hadoop, Spark, HBase, etc., or other similar platforms. After completing this course, students will be able to analyze the big data needs and challenges of an organization and recommend choice of tools, technologies, architecture, and implementation strategies needed to capture, process, and turn "Big Data" into actionable business insight.

Prerequisites: ACCT 3140 or AIMS 2710 or BCOR 2710; and AIMS 3730 or CMSI 185, all with a grade of C (2.0) or higher; or consent of instructor and approval of Associate Dean.

AIMS 4796 Capstone Proposal Development (1 semester hour)

Successful delivery of the Capstone project requires students to have a thorough knowledge about the techniques and methodologies of user requirements gathering, systems analysis, design, test planning, and project management. This course will help students prepare for the Capstone course by introducing processes and tools to manage a complex IT project and deliverables. At the end of the course, students will have a completed and well-vetted Capstone Project proposal. By the time students begin the Capstone course, they will be well underway through the design and planning phase, allowing more time for implementation and execution.

Prerequisite: AIMS 2710.

AIMS 4797 Capstone Project (4 semester hours)

This course presents a student with a challenge and an opportunity to build a portfolio-worthy project to solve a real business problem by integrating business and technical knowledge and skills. For employers, it represents a clear snapshot of a student's understanding of the subject matter and their ability to identify a meaningful project and exercise initiative. It also presents students with first-hand experience to develop project management, teamwork, and communication skills critical for an IT career. A project proposal and instructor consent are required.

Prerequisites: AIMS 3710; AIMS 3730 or CMSI 185; BCOR 3750, all with a grade of C- (1.7) or higher.

University Core fulfilled: Flags: Oral Skills, Writing.

AIMS 4798 Special Studies (1-4 semester hours)**AIMS 4799 Independent Studies (1-3 semester hours)**

Permission of Associate Dean required.

ANIM 100 History of Animation (3 semester hours)

A survey of the historical developments, styles, techniques, theory, and criticism of animation as an art form. History of creative arts used in animation to form effective communication in film and video.

ANIM 101 Discovering Animation (3 semester hours)

An exploration of various creative arts used in animation, including analysis of visual language, timing and motion.

University Core fulfilled: Explorations: Creative Experience.

Lab Fee required.

ANIM 198 Special Studies (1-3 semester hours)**ANIM 199 Independent Studies (1-3 semester hours)****ANIM 210 Visual Story Development (3 semester hours)**

Introduction to visual techniques: color theory, design composition, and storyboarding.

ANIM 220 Intermediate Animation Workshop (3 semester hours)

Intermediate workshop in the art of traditional animated film production. Topics of study include digital sound production, motion and articulation strategies, camera and post-production techniques.

Prerequisite: ANIM 260.

ANIM 230 Introduction to 3D Computer Animation (3 semester hours)

Introduction to 3D digital film production. Topics of study include: modeling techniques, computer character animation, digital production techniques, texture, lighting and rendering methods, and workflows for computer-created animation.

ANIM 250 Introduction to Interactive Animation (3 semester hours)

The integration of animation and interactivity is explored to show how user-controlled animation for games is different than for film and linear narratives. There is also an emphasis on design issues and scripting for interactivity.

ANIM 260 Digital Toolbox (3 semester hours)

Introduction to principles and practices of digital imaging as applicable to film and video, with an emphasis on software instruction for animated filmmaking. This course is a pre-requisite for ANIM 220 Intermediate Animation Workshop.

Prerequisite: ANIM 101.

ANIM 298 Special Studies (1-3 semester hours)**ANIM 299 Independent Studies (1-3 semester hours)****ANIM 301 Animated Perspectives (3 semester hours)**

Animated Perspectives aims to provide students the opportunity to think deeply about the role their art will play after graduation. As creators, we are responsible for the impact our work has, and so it's important that we understand the big picture conversations that are happening in entertainment, such as: lack of racial diversity, breaking gender stereotypes, and more. By having an open discussion about relevant topics, students will create more socially conscious work. A diverse set of guest speakers from the animation industry will also provide honest advice on what it's really like to work in entertainment, including topics like dealing with unemployment and labor issues.

Animation Majors and Minors only.

University Core fulfilled: Flag: Engaged Learning.

ANIM 310 Intermediate Storyboard (3 semester hours)

Development of industry-standard storyboards for animation. Students will apply visual directing to draw storyboards as digital animatics, basing these on written scripts, existing sources, and also their own creative work.

Prerequisites: ANIM 210 and ANIM 220.

ANIM 320 Mechanics of Animation (3 semester hours)

Workshop in the art of animated film production.

Prerequisite: ANIM 220.

ANIM 332 Programming 3D Animation Tools (3 semester hours)

Building technical skills for animators: how to automate animated graphics, write tools and customize user interfaces using Python scripting.

Prerequisite: ANIM 230 or by instructor's approval.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ANIM 360 Character Design (3 semester hours)

An introduction to the principles of classical character design.

Prerequisite: ANIM 220.

ANIM 370 Character Animation (3 semester hours)

An intermediate study of the principles of character animation, with an emphasis on performance and the development of advanced proficiencies.

Prerequisite: ANIM 220.

ANIM 380 Visual Effects Compositing (3 semester hours)

Concepts and approaches to production work in cinematic visual effects. A combination of digital and traditional methods will be discussed, with a concentration on exercises using computer graphics to illustrate these techniques.

Prerequisites: ANIM 220, 230, and 260.

ANIM 398 Special Studies (1-3 semester hours)**ANIM 399 Independent Studies (1-3 semester hours)****ANIM 410 Advanced Storyboard (3 semester hours)**

Advanced research and practice in creating and planning animated film and video. Professional experience in storyboard production.

Prerequisite: ANIM 310.

ANIM 420 Experimental Animation (3 semester hours)

Workshop and practical applications of experimental aesthetic techniques for animation, with an emphasis on visual innovation in a non-narrative setting.

Lab fee required.

ANIM 450 Advanced Interactive Animation (3 semester hours)
Advanced production and design of animated interactive content.

Prerequisite: ANIM 250.

ANIM 480 Immersive Media Studio (3 semester hours)
Development of animated content using immersive media software tools to create a user-controlled experience.

Prerequisite: ANIM 250

ANIM 490 Animation Practicum (3 semester hours)
Professional experience in animation. Animation internship. Portfolio and demo reel development. Vocational strategies.

Prerequisite: ANIM 220

ANIM 495 Thesis Project/Pre-Production (3 semester hours)
Pre-production design and development of an approved animated thesis, demonstrating the proficiencies of student's emphasis within the major. This is the first semester of a full-year production leading to the completion of the senior thesis.

Prerequisite: ANIM 220
Animation majors only.

ANIM 496 Senior Thesis Project/Production (3 semester hours)
Continuation of practical experience in animation production. Completion of animation thesis project.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisite: ANIM 495.
Animation majors only.

ANIM 498 Special Studies (0-4 semester hours)

ANIM 499 Independent Studies (1-3 semester hours)

ARHS 2000 Art and Society: The Ancient Mediterranean (4 semester hours)
This course is a survey of the history of art and architecture of the ancient Mediterranean world from the Paleolithic period to the fourth century CE. The class will encompass artworks produced in Prehistoric Europe, Mesopotamia, Egypt, Greece, Etruria, and Rome. The material will be presented primarily chronologically, focusing on selected artworks in order to provide an overview of the art and culture of each period. Art and architecture will be used as a lens to study societies and cultures and to explore how and why these societies and their visual expressions changed over time. The course includes a cross-cultural perspective to orient particular regions in a larger, transnational context.

University Core Fulfilled: EXP. Historical Analysis and Perspectives.

ARHS 2002 Art and Society: Early Christian to Early Modern (4 semester hours)

This course surveys the history of the visual arts in Western Europe and areas contiguous to the Mediterranean from the fourth century through the early nineteenth century. Art and architecture is used to examine human groups and individuals of the past and to explore how those people change over time, the causes of that change, and its consequences; visual culture is analyzed as a reflection of particular social concerns, ambitions, and anxiety. The course has four major sections: The Rise of Christianity: Expressions of Piety and Power; The Renaissance: Beauty, Humanism, and Spirit; Reformation and Response: Religious Challenges and New Discoveries; The Enlightenment: Faith, Reason, and the Individual's Role in Society.

University Core Fulfilled: EXP. Historical Analysis and Perspectives.

ARHS 2004 Modernism (4 semester hours)

ARHS 2004 surveys the historical development of global modernism and modernity from the nineteenth to the mid-twentieth century. In particular, the class connects the spread of European modernism to religious, political, philosophical, and colonial movements.

University Core Fulfilled: Explorations: Historical Analysis and Perspectives.

ARHS 2510 Social Design (4 semester hours)

A critical and historical exploration of the role of visual communications in design activism. Design is examined as a medium for understanding, and visualizing the social, political, economic, and ecological forces shaping the human experience. Emphasis is on the role of the designer as an agent for social change. Visual search, research, fieldwork, discussion, and project-based presentations.

Prerequisite: ART 160 or ART 260, or ART 1002 or ART 1660.
University Core fulfilled: Flag: Engaged Learning.

ARHS 2540 Multimedia Art Survey (4 semester hours)

A critical and historical examination of multimedia arts through research, discussions, and presentations.

ARHS 2999 Independent Studies (1-4 semester hours)

Individual independent studies may fulfill the non-Western Art History requirement.

Consent of instructor required.

ARHS 3100 Arts of Ancient Egypt (4 semester hours)

A survey of the art and architecture of ancient Egypt from the Pre-dynastic through the Greco-Roman period.

ARHS 3102 Arts of Ancient Greece (4 semester hours)

This course will examine the material culture of the ancient Greek world, beginning in the third millennium BCE and ending the first century BCE. Utilizing a broad contextual approach, the class will place the art of Greece within the larger framework of the ancient world, examining artworks produced in the Italic peninsula, mainland Greece, Anatolia, Egypt, and the Near East. It will consider thematic issues such as the use of art in Greek identity formation, the interaction between art and myth, representations of gender and sexuality in Greek art, the creation and use of sacred art and architecture, and questions of Hellenization and cultural imperialism.

University Core fulfilled: EXP: Historical Analysis and Perspectives.

ARHS 3104 Arts of Ancient Rome (4 semester hours)

This course will examine the art and culture of ancient Rome, beginning in the seventh century BCE with the Romans' predecessors in Italy, the Etruscans and the Greeks of Magna Graecia, and ending in the fourth century CE with the reign of Constantine. It will encompass artworks produced in Europe, north Africa, and the Near East. Students will explore thematic issues including the urban development of the city of Rome, how the Romans leveraged artworks in their imperialist ideology, and the use of artworks in the formation of Roman identity.

University Core Fulfilled: EXP: Historical Analysis and Perspectives.

ARHS 3160 From Greece to Gotham: Archaeology of the Heroes (4 semester hours)

This class will examine how societies define and portray heroes in both the ancient Greek world and modern worlds. Through an interdisciplinary exploration of the common trope of the hero, the class will ask students why societies need heroes, and discuss whether there are common traits shared by heroes in different periods and places. Focusing on Greek art and literature as well as modern comics and graphic novels, students will examine how heroes are portrayed in visual and written sources, and how their iconography conveys their heroic traits. The class will be organized in a seminar format, with an emphasis on discussion, critical analysis of readings, and writing.

University Core Fulfilled: INT: Interdisciplinary Connections.

(See CLAR 4360.)

ARHS 3200 Medieval Art (4 semester hours)

This course will survey the major developments in the arts from the rise of Christianity in the Roman Empire in the second and third centuries until the end of the Gothic period in the fourteenth century. Structured chronologically, the course will deal with a set of broad thematic subjects, such as the diversity of medieval cultures and religions; the relationship between art and power; the interaction of the sacred and the secular; the role of medievalism; and the weaponization of the Middle Ages.

University Core fulfilled: Integrations: Faith and Reason.

ARHS 3311 Pre-Columbian Art (4 semester hours)

A survey of Pre-Columbian art and architecture from c. 1200 BCE to the fifteenth century CE.

ARHS 3321 Latin American Art (4 semester hours)

A survey of the art, architecture, and visual culture of Latin America from the colonial period through the present.

ARHS 3331 Arts of Africa (4 semester hours)

A survey of the arts of Africa from 1000 BCE through the twenty-first century.

ARHS 3341 Arts of Islam (4 semester hours)

A survey of the art and architecture of Islam from Arabia through Spain, from the birth of Islam in the seventh century to the present.

ARHS 3351 Arts of Asia: Highlights and Treasures (4 semester hours)

This course serves as a foundational survey to the arts of the Asian region and introduces students to the art and architecture of East, South and Southeast Asia from prehistoric to contemporary times. Themes such as belief in the afterlife and empire building as well as the adoption of Buddhism serves as major threads that connect the diverse historical, cultural and artistic traditions of the region.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ARHS 3540 Social and Aesthetic History of Photography (4 semester hours)

This course will explore photography's role in both the continuum of art history and modern visual culture but will also consider a wide range of other disciplines that have used photography as a tool of influence or research. Students will approach various bodies of photographic work from both an art historical and social science perspective.

Recommended: ARHS 2004.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ARHS 3560 History of Design (4 semester hours)

An analysis of design history from the Industrial Revolution to the present, with emphasis on creative innovation and progress as rooted in artistic, cultural, and political contexts.

Prerequisite: ART 160 or ART 1660.

ARHS 3999 Independent Studies (1-4 semester hours)

Individual independent studies may fulfill the non-Western Art History requirement.

Permission of instructor required.

ARHS 4198 Special Studies (4 semester hours)

Selected topics in Ancient art history. Individual sections may have a University Core affiliation.

ARHS 4240 Italian Renaissance Art (4 semester hours)

This course will explore the great social, economic, religious and intellectual changes that transformed the visual culture of Italy from the late thirteenth through the mid-sixteenth century. The rising popularity of the mendicant orders, the economic prosperity of urban centers, the political leverage of powerful families, and the renewed interest in the classical past helped to shape the painting, sculpture, and architecture of the period. The course will examine a variety of primary and secondary sources to examine a range of subjects including cross-cultural communication and trade, gender roles, urban planning, changes in religious practice, and the alteration of works over time.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

ARHS 4250 Northern Renaissance Art (4 semester hours)

This course explores the ways that art and architecture reflect the political, cultural, economic, and religious forces that shaped society in northern Europe from c. 1380 through the late sixteenth century. Arranged chronologically, the course will focus on topics such as the impact of urban growth, the role of private devotion, the new religious environment characteristic of the Reformation, and the changing art market. Through such themes, the course will further consider how race, religion, and gender influenced the manner in which Northern Renaissance art was produced, viewed, and understood.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ARHS 4260 Baroque Art (4 semester hours)

An exploration of selected topics in the art and architecture of seventeenth-century Italy, France, Flanders, Holland, and Spain.

University Core fulfilled: Integrations: Faith and Reason.

ARHS 4298 Special Studies (4 semester hours)

Selected topics in Early Christian, Medieval, Renaissance, or Baroque art history. Individual sections may have a University Core affiliation.

ARHS 4301 Arts of India: From the Indus Valley Civilization to Indiana Jones (4 semester hours)

This course will introduce students to some of the most significant monuments, works of art and art movements from the Indian subcontinent, dating from the Indus Valley to the contemporary times. Students will also examine the development and evolution of Indic religions and their associative arts, as well as the impact of Islam and arts produced in the Islamic Delhi-Sultanate and Mughal courts. The second half of the course examines the long-term impact of British colonialism on Indian art production, and the depiction of Indian culture at the World's Fairs, museums and in film.

ARHS 4303 Arts of China: From Burial Tombs to Contemporary Art (4 semester hours)

This course will introduce students to some of the most significant monuments, works of art and art movements from China, dating from prehistory to contemporary times. Specifically, the course will examine China's rich painting, porcelain and garden traditions while also introducing students to important religious and social movements in Chinese history.

ARHS 4305 Arts of Southeast Asia: A Critical Survey (4 semester hours)

This course serves as a foundational survey to the arts of the Southeast Asia region, focusing on the arts and architecture of Cambodia, Laos, Myanmar, Thailand and Vietnam representing the mainland, and Indonesia and the Philippines representing the islands. Themes such as belief in the afterlife, empire building, the adoption of Buddhism and Islam, and colonialism of the region serves as major threads that connect the diverse historical, cultural and artistic traditions of the region.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ARHS 4307 Arts of Japan: From Burial Tombs to Astro Boy (4 semester hours)

This course will introduce students to some of the most significant monuments, works of art and art movements from Japan, dating from the Jomon period to the early twentieth century. Specifically, the course focuses on the development and evolution of Japanese art through the centuries by critically examining how interactions with neighboring countries such as China and Korea influenced art making in the early periods, and how later interactions with Europe and America impacted the art of modern Japan.

ARHS 4351 Modern and Contemporary Arts of Asia (4 semester hours)

This course examines the art and architecture of East, South and Southeast Asia produced since 1945, focusing on local, regional and global visual and political developments that impacted art making. The course will introduce students to both established and emerging artists from Asia, in addition to examining the rising commercial and global profile of contemporary Asian art and artists.

ARHS 4398 Special Studies (4 semester hours)

Selected topics in non-Western art history. Individual sections may have a University Core affiliation.

ARHS 4614 American Art (4 semester hours)

ARHS 4614 surveys American art from the Colonial Period through the twentieth century through a consideration of how immigrant communities have contributed to the formation of national identities. Specific groups addressed include Native Americans, early-Colonials, African-Americans, and women artists, to name a few of the communities discussed during the semester.

University Core Fulfilled: Foundations: Studies in American Diversity.

ARHS 4616 Nineteenth-Century European Art (4 semester hours)

An exploration of the development of European art and architecture of the long nineteenth century.

ARHS 4630 Contemporary Art (4 semester hours)

An exploration of post-World War II art, with an emphasis on the development of postmodernism from 1945 to the early twenty-first century.

Recommended: ARHS 2004.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ARHS 4640 Modern and Contemporary Art Criticism (4 semester hours)

An exploration of the art criticism and theory of the twentieth and twenty-first centuries.

Recommended: ARHS 2004.

ARHS 4650 Assemblage (4 semester hours)

This course examines Assemblage as an artistic, literary, and critical way of making, working, and thinking about our everyday environments. The class examines the shifting meanings of Assemblage as understood in art practice, creative writing, and philosophical inquiry in relation to broad historical contexts as well as Los Angeles' rich cultural history. Like the assemblages that first brought Los Angeles cultural attention in the mid-twentieth century, LA itself is similarly complex, diverse, and fractal in its composition.

Recommended ARHS 2004.

University Core Fulfilled: Integrations: Interdisciplinary Connections.

ARHS 4698 Special Studies (4 semester hours)

Selected topics in modern and contemporary art history. Individual sections may have a University Core affiliation.

ARHS 4710 Museum/Gallery Internship (4 semester hours)

A directed internship in museum or gallery education, curatorial work, registration, public relations, or installation design. Individual placements are made on the basis of the student's academic background and professional goals.

Juniors and seniors only.

Majors only.

Research paper required.

Permission of instructor required.

ARHS 4730 LA Now (4 semester hours)

An exploration of Los Angeles' modern and contemporary art history through lectures, field trips, and class visits by practicing artists, critics, curators, and arts professionals.

Recommended: ARHS 2204 or ARHS 4630.

University Core fulfilled: Flag: Engaged Learning.

Permission of instructor required.

ARHS 4750 Art History Study Abroad (3-4 semester hours)

Site-specific art history course that is taught through Study Abroad. Topics vary dependent on location. Individual sections may have a University Core affiliation.

ARHS 4751 Art History Study Abroad (3-4 semester hours)

Site-specific art history course that is taught through Study Abroad and fulfills the non-Western requirement. Topics vary dependent on location. Individual sections may have a University Core affiliation.

ARHS 4752 Study in Florence: The Italian Renaissance (4 semester hours)

Study of Italian Renaissance art and architecture in Florence and Tuscany.

ARHS 4754 Christian Faith and Visual Culture in Rome (4 semester hours)

Combining the disciplinary approaches of theology, history, and art history, this course examines the religious and visual traditions of Late Antique and medieval Rome. The course, taught on-site in Rome during an accelerated summer course, provides a direct engagement with culture, art, society, and faith.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

ARHS 4756 The Making and Use of Space - Urban Art and Architecture (4 semester hours)

The course will introduce the town layout and its architecture as a constantly changing microcosm shaped by social, political, economic, and cultural as well as functional, technical, and aesthetic factors. The introduction of the main architectural styles will accentuate the symbolic and representational interaction and reception of a building, including aspects like the relationship between demography and lifestyle in historical and contemporary architecture. The impact of factors such as industrialization, traffic, population increase, pollution, and globalization will be discussed as well as similarities and differences between European and American cities.

Taught through the Bonn Study Abroad Semester Program.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

ARHS 4796 History of Museums: From the Cabinet of Curiosities to the Museum of Jurassic Technology (4 semester hours)

This course examines the history of the museum from its beginnings in the ancient world as a space where ideas could be exchanged to its present incarnation as an institution that exhibits and or collects objects. This course provides students the opportunity to explore the rich museum culture in Los Angeles by visiting, and critically engaging with the collections of the Getty Villa, the Natural History Museum, LACMA, the California Museum of African American Art and the Museum of Jurassic Technology. Museum visits subject to change.

ARHS 4800 Junior/Senior Seminar in Art History (4 semester hours)

An examination of the historiography and methodology of the discipline of art history, with a special emphasis on student research and writing.

Permission of instructor required.

ARHS 4998 Special Studies (1-4 semester hours)

Selected topics in art history. Individual sections may have a University Core affiliation.

ARHS 4999 Independent Studies (1-4 semester hours)

Individual independent studies may fulfill the non-Western Art History requirement.

Seniors only.

Permission of instructor required.

ART 1001 Foundation I: Drawing (4 semester hours)

This course teaches drawing as an active form of seeing, thinking, communicating, and representing. Basic drawing skills are integral for a range of visual art and design disciplines. This studio course explores drawing principles, techniques, media, and applications through analog-based perceptual practices and digital-based explorations. Central to this course is an introduction to a wide range of historical and contemporary ways that drawing is and has been used around the world.

Studio Arts majors only.

Lab fee required.

ART 1002 Foundation II: Digital Arts (4 semester hours)

This course is an introduction to the theory and practice of digital arts. Through hands-on exercises, students learn to design interactive interfaces and responsive environments. Survey lectures focus on the history of new media and current practices. Students will also be introduced to principles and practices of electronic imaging as they apply to graphics, art, and design.

Studio Arts majors only.
Lab fee required.

ART 1003 Foundation III: 3D Design (4 semester hours)

The course examines the historical precedents and significant directions in contemporary 3D art, 3D objects, and sculpture. Orientation to concepts of 3-dimensionality through the use of relevant processes and heuristic approaches to making. Examination of the basic elements of three-dimensional design, emphasizing the conceptual process and utilization of various media.

Studio Arts majors only.
Lab fee required.

ART 1010 First Year Workshop in Studio Arts (2 semester hours)

This workshop is designed for Studio Arts (STAR) majors to explore creativity, build community, and engage in uniquely transformative experiences in the visual arts. This mandatory class for all first-year STAR majors serves as a practical introduction to conceptual and diverse practices in the visual arts.

Studio Arts Freshmen only.

Lab fee required.

ART 1020 Portfolio Workshop in Studio Arts (2 semester hours)

ART 1020 Portfolio Workshop in Studio Arts caters to Studio Arts majors, providing an exploration of diverse visual voices through dialogue, creativity, and reflection. This course serves as a hands-on introduction to conceptual and varied practices in visual arts, with a primary focus on expanding creative ideation, refining processes, and enhancing artistic output. Additionally, it equips students for the BFA portfolio review, explores different career paths within the field, and fosters a sense of professionalism.

Lab fee required.

ART 1153 Drawing from Life (3 semester hours)

Designed to help students understand observation and interpretation of drawing from life. This course provides a deep focus on observation of visual phenomena, including still life and an introduction to human and non-human animal as subject. An introduction to drawing as an end as well as a process.

Lab fee required.

ART 1188 Drawing from Life Lab (1 semester hour)

Study of the tools and techniques for ART 1153 Drawing from Life.

ART 1550 Introduction to Studio Arts (4 semester hours)

Exploration of the materials, techniques, and inspiration of the artist in the media of drawing, painting, printmaking, sculpture, and two- and three-dimensional design.

Open to non-Studio Arts majors only.
University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

ART 1551 Introduction to Drawing and Printmaking (4 semester hours)

Open to non-Studio Arts majors only.

Development of basic drawing skills in various media and the exploration of printmaking techniques.

Lab fee required.
University Core fulfilled: Explorations: Creative Experience.

ART 1660 Design Literacy: 2D Design (4 semester hours)

An examination of the basic elements of two-dimensional design. Course emphasizes visual literacy as well as the conceptual and problem-solving processes used in creating and composing graphic form.

Lab fee required.
University Core fulfilled: Explorations: Creative Experience.

ART 1782 Programming/Creative Application (4 semester hours)

Emphasis on programming as an art form and as a tool for creative applications. Introduction to computer programming within the context of art and design. Concepts and skills taught enhance student ability to excel in future courses about Internet, animation, interactive media, and game design. Weekly exercises balance concept and techniques to reveal potential of computer as medium and tool. Lecture, lab, workshop.

Lab fee required.

ART 1998 Special Studies (1-4 semester hours)**ART 2154 Drawing from the Human Figure (3 semester hours)**

Intensive study of the life model exploring issues of form, structure, volume, movement, and composition. In depth practice and understanding of the human figure in space.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.

ART 2188 Drawing from the Human Figure Lab (1 semester hour)

Study of the tools and techniques for ART 2154 Drawing from the Human Figure.

ART 2250 Visual Arts for the Elementary Educator (4 semester hours)

Designed to develop the visual arts for the Education and Learning Sciences (Liberal Studies) student, both personally and professionally. Projects will emphasize a personal exploration of media, techniques, art history, and art fundamentals, as well as the role of the teacher in nurturing artistic expression and aesthetic. Participation in the ARTsmart service-learning program is required and is incorporated into class hours.

Education and Learning Sciences (Liberal Studies) only.
University Core fulfilled: Explorations: Creative Experience; Flag: Engaged Learning.

ART 2255 Field Experience in Art (0 semester hours)

Designed for students interested in secondary art education and related fields. Explores practical applications of teaching and related fields through planned observation, reflection, and group discussions.

Art Education BFA only.

Twenty (20) hours of field observation in a secondary public school art classroom or related environments is required.

Permission of the Director of Art Education required.

ART 2357 Painting I (4 semester hours)

Study of basic theoretical methods and techniques as applied to both representation and abstraction. Acrylic paints will be utilized.

Prerequisite: ART 153 or ART 1001 or ART 1153.

Lab fee required.

ART 2474 Form as Art (4 semester hours)

Exploration of concepts, materials, and processes in sculpture and object design through various hands-on projects. Relationships between form and content as well as aesthetics and functionality will be examined through additive, subtractive, and assembling/constructing processes.

Prerequisite: ART 275 or ART 1003.

Lab fee required.

ART 2476 Ceramic Sculpture (4 semester hours)

Examination of ceramics as a sculptural medium. Students will explore technical and conceptual processes of ceramics. While clay is the focus, other materials will be utilized.

Lab fee required.

ART 2478 Ceramics I: Earth and Art (4 semester hours)

The course offers the student a theoretical and a practical basis for understanding clay, glazes, and firing as they relate to three-dimensional design, the meaning of art, and its place in the world. Emphasis is on the creative potential of hand-building and glazed surfaces.

University Core fulfilled: Explorations: Creative Experience.

Lab fee required.

ART 2585 Introduction to Printmaking (4 semester hours)

Introduction to the basic printmaking and transfer processes, using monoprinting, linocuts, woodcuts, drypoints, water etchings, and collagraphs. Both black and white and multicolor images will be produced.

Lab fee required.

ART 2668 Typography I (4 semester hours)

An introduction to the fundamentals of typography. Emphasis is on developing typographic literacy in terms of history, type classification, nomenclature, letterform anatomy, hierarchy, visual structure, as well as how type works as a compositional element in textual communication.

Recommended: ART 160 or 260 or ART 1002 or ART 1660.

Lab fee required.

ART 2764 Introduction to User Experience Design (4 semester hours)

An introduction to the principles of user experience design. Students design experiences for a range of contexts and engage with human computer interaction principles and human-centered design methods, including conducting user research, ideating, sketching, prototyping, and iterating based on user feedback.

Prerequisite: ART 260 or ART 1002.

Lab fee required.

ART 2880 Photography I: Darkroom (4 semester hours)

This course serves as an introduction to black and white photography and covers camera function, exposure, film processing and darkroom printing on different paper surfaces. In addition to learning the technical aspects of the medium, emphasis will be placed on the development of an individual artistic voice. Students will explore how meaning is produced through photographs and photography as a means of communication.

Prerequisite: ART 2881 or permission of instructor.

University Core fulfilled: Creative Experience.

Lab fee required.

ART 2881 Photography I: Digital (4 semester hours)

This course serves as an introduction to digital photography with an emphasis on effectively using image editing software programs including Adobe Bridge, Camera RAW, Photoshop and Lightroom. Students will learn digital printing and color management. In addition to learning the technical mechanics of the medium, students will consider photography in terms of aesthetic and conceptual concerns.

Lab fee required.

ART 2998 Special Studies (1-4 semester hours)

1 TO 4 semester hours

ART 2999 Independent Studies (1-4 semester hours)

1 TO 4 semester hours

ART 3100 Figure Drawing Workshop (2 semester hours)

A studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy. Independent reading, research and production goals are devised for each student. As students repeat course study, the course requires increased learning and skill development as an extension of work in figure drawing. Each semester an online portfolio is required.

Prerequisites: ART 154 or ART 2154 or permission of instructor.

May be repeated for degree credit for further development up to six times.

Lab fee required.

ART 3101 Portrait Workshop (2 semester hours)

A general introduction to portrait drawing, this course covers skulls, planes and masses of the head, muscles of expression, age differentiation, characterization, adornment, lighting, and the double portrait, among other subjects.

Prerequisite: ART 153 or ART 1153 or ART 1001 or ART 2154 or permission of instructor.

Lab fee required.

ART 3102 Portraits in Clay Workshop (2 semester hours)

A workshop format introduction to creating a portrait in 3-D, this course covers skull construction, planes and masses of the head, muscles of expression, and working with clay to produce two life-scale heads.

Prerequisite: ART 153 or ART 1153 or ART 1001 or ART 1003 or permission of instructor.
Lab fee required.

ART 3103 Narrative Workshop (2 semester hours)

A workshop format introduction to using the human and non-human figure to construct narratives. There are models of all ages and animal models during the semester.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3104 Light and Shadow Workshop (2 semester hours)

This workshop format course explores the effects of light on form and space. Students will draw and explore with different materials from dry mediums, to wet mediums, to collage, and mixed media using natural light, man-made light and conceptual light. The exploration will go anywhere from nocturnal to white bright light. Students will discuss mood that comes from the selection of light as a focal point.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3105 Collage and Montage Workshop (2 semester hours)

Collage and montage are related approaches to creative expression that include mixing, combining and reassembling images and objects, removing them from an original context in order to explore new expressive possibilities. Drawing, animation and Illustration practice gain from these mediums, regardless of the final form. How to experiment with found imagery, pattern, texture, color, mixed media, appropriated imagery and other visual fragments helps students to explore visual narrative and conceptual problem solving.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3106 Media and Color Workshop (2 semester hours)

This workshop format course explores formal optics of color perception/interaction in relation to the psychological implications of color use in drawing and illustration. The first half of the semester will deal with color theory using drawing tools and techniques (colored pencil, pastel). The second half of the semester each student will develop work that deals with a subject of their own choosing.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3107 Ink and Brush Workshop (2 semester hours)

This workshop introduces ink and brush techniques. Material and techniques include working with various papers including rice paper and ink. Students address the different genres of line drawing, plant painting (the Four Gentlemen), calligraphy, still life, figures, and landscape.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3108 Wash and Gouache Workshop (2 semester hours)

This workshop explores a variety of wet drawing mediums including ink, watercolor, and designer gouache. The focus will be on the techniques of line, area and mark-making from both observation and invention, as well as applying the appropriate techniques to concepts, with the opportunity for students to apply them to personal imagery. Students will learn historical and non-traditional use of these less toxic mediums.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3109 Alexander Technique Workshop (2 semester hours)

A general introduction to using the Alexander Technique will instruct students in human and non-human motion analysis and gesture. Students learn to observe the science of human and non-human movement and use human models of all ages and animal models during the semester.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3110 Drawing Nature Workshop (2 semester hours)

This workshop explores natural subject matter through observation and aesthetically selective description. Emphasis is on light, composition, form, surface, space, and environment. Students may use skulls, shells, birds, animals, live crabs, landscape, and flora, and take field trips to zoos, conservatories, and gardens for the purpose of drawing and illustration.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3111 Anatomy for Artists and Illustrators (Skeletal System) (2 semester hours)

Drawing requires answers to a number of questions. How to suggest three dimensions in a two-dimensional format? How to imply movement in a product that is still? What to omit and what to include to achieve a given effect? The purpose of this course is to provide a basic understanding of the human musculoskeletal system through a combination of lectures, labs, and directed studio assignments. The hope is that by better understanding human structure and motion students find their own answers to these questions.

Prerequisite: ART 2154 or ART 154 or permission of instructor.
Lab fee required.

ART 3112 Anatomy for Artists and Illustrators (Muscular System) (2 semester hours)

Drawing requires answers to a number of questions. How to suggest three dimensions in a two-dimensional format? How to imply movement in a product that is still? What to omit and what to include to achieve a given effect? The purpose of this course is to provide a basic understanding of the human musculoskeletal system through a combination of lectures, labs, and directed studio assignments. The hope is that by better understanding human structure and motion students find their own answers to these questions.

Prerequisite: ART 2154 or ART 154 or permission of instructor.
Lab fee required.

ART 3132 Eastern Immersion (4 semester hours)

Eastern Immersion is a course that combines traditional Chinese drawing techniques, calligraphy, and the Chinese language. The course utilizes associative learning to develop skills in these three areas while also formulating an appreciation for Eastern cultures. The course will follow a progression similar to the training young artists traditionally receive in China, students will be taught drawing fundamentals, such as composition, perspective, proportion, and stroke character using a traditional Chinese approach, which focuses on the expression of a subject as opposed to the primarily technical approach of Western art.

University Core fulfilled: Integrations: Interdisciplinary Connections.
Lab fee required.

ART 3133 Visualizing Literature (4 semester hours)

Visualizing Literature is a visual arts course framed around a single work of literature. Each semester the text will change in collaboration with the LMU Department of Archives and Special Collections. The visual projects created in the course will interact with, integrate, and respond to the text and will ultimately be displayed in the greater library as an extension of and response to library special exhibits.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

ART 3134 Animal Drawing (4 semester hours)

This is a studio course with emphasis placed on working from animals and comparative anatomy. On-site drawing of animals on campus and with field trips to the Los Angeles Zoo, the Museum of Natural History, and the Page Museum. Emphasis will be on the construction of the subjects from within, rather than just outward appearances. Basics will include anatomy, proportion, and analysis of movement.

Prerequisite: ART 154 or ART 2154 or permission of instructor.
ANIM/STAR/ARHS majors/minors only.
May be repeated 2 times for degree credit.
Lab fee required.

ART 3135 Constructing Perspective and Geometry (4 semester hours)

This course is an exploration of the various means of expressing the illusion of form and space in drawing. Codified perspective formulas and descriptive geometry will be used to analyze photographic and art historical images and to create drawings from observation that represent the 3rd dimension. Students will develop the skill to identify and to use shapes as effective formal symbolic representations of observed objects in space and of space itself.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.
Lab fee required.

ART 3136 Drawing for Thinking, Illustration and Making (4 semester hours)

This course focuses on the creative and practical uses of drawing to support the development and production of 3-D work. In this course, students will use various drawing processes as a starting point including as means of ideation, research, pre-visualization, schematic drawing, design development, and presentation for work that finds a final form in a 3-D medium. In addition to a focus on design-build approaches, students will learn spatial references that help them visualize in 3-D.

Prerequisite: ART 153 or ART 1153 or ART 1001 or ART 2154 or ART 154 or permission of instructor.
Lab fee required.

ART 3175 Figure Sculpture (4 semester hours)

Modeling of the human figure with an emphasis on anatomy, leading to the extension of the figure as image.

Prerequisites: ART 153 or ART 1001 or ART 275 or ART 1003.
Lab fee required.

ART 3176 Sculpture Workshop (2 semester hours)

Advanced exploration of sculptural problems, techniques, and concepts using a variety of materials.

Prerequisite: ART 154 or ART 275 or ART 1003 or ART 2154 or consent of professor.
May be repeated for degree credit for further development.
Lab fee required.

ART 3205 ARTsmart Community Service Program (0-4 semester hours)

ARTsmart is the community service program of the Department of Art and Art History. The mission of ARTsmart is to provide underserved youth an education in the Arts. LMU Art and Art History students work in teams to develop and teach lessons that incorporate formal art issues, art history, visual culture, social justice issues, and standards-based education to young students in a neighboring K-8 school. LMU students interested in a variety of art disciplines are encouraged to volunteer.

This service-learning course may be repeated up to eight times.

ART 3255 Art and Social Justice (4 semester hours)

This course is divided into two components: studio arts and service learning. In the studio component, students will create art to explore the relationship between art and social justice. Studio projects include mixed media sculpture, and installation. The students participate in the ARTsmart service-learning program, developing and teaching lessons that emphasize the use of art to incite social change. ARTsmart service time is incorporated into the class hours.

University Core fulfilled: Flag: Engaged Learning.

ART 3352 Principles of Color (4 semester hours)

A practical exploration of the additive and subtractive principles of color theory as related to fine art and graphic design. Emphasis placed on color mixing, hue, value, intensity, and visual perception. Acrylic gouache will be utilized in painterly exercises. In-depth class discussion and peer reviews will reinforce the relationship between theory and practice.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

ART 3356 Painting II (4 semester hours)

A continuation of theoretical methods and techniques used in Painting I. Emphasis is on color, materials, and individual concept development. A variety of media will be utilized.

Prerequisites: ART 153 or ART 257 or ART 1153 or ART 2357 or permission of instructor.
Lab fee required.

ART 3358 Painting III (4 semester hours)

A continuation of Painting II, ART 356. Emphasis is on color, materials, and individual concept development.

Prerequisite: ART 356 or ART 3356 or permission of instructor.
May be repeated for degree credit with permission of instructor.
Lab fee required.

ART 3470 Beginning Wheel Throwing (4 semester hours)

Introduction to throwing, glazing, and firing at several temperature levels with the aim of developing skills to enhance the student's artistic voice in the contemporary clay context.

Lab fee required.

ART 3471 Advanced Wheel Throwing (4 semester hours)

Advanced work with wheel thrown forms with the aim of developing a thematic body of creative work in clay. May be repeated once for degree credit by completing coursework at an advanced level.

Prerequisite: ART 370 or ART 3470.
Lab fee required.

ART 3474 Advanced 3D Studies (4 semester hours)

Exploration of advanced problems in sculpture and object design. Development of individualized sculptural processes through various hands-on projects. Emphasis placed on concept and content development.

Prerequisite: ART 2474.
Lab fee required.

ART 3478 Drawing & Clay (4 semester hours)

Emphasis on the surface treatment of ceramic work incorporating drawing, painting, and printmaking techniques.

Prerequisites: ART 1001 or ART 1153 or ART 153 or ART 1003.
May be repeated once for degree credit by completing coursework at an advanced level.
Lab fee required.

ART 3550 Visual Thinking (4 semester hours)

This course promotes concept development and creative thinking. Visual problem solving and projects will be based on a concern for how each person examines and explores, ultimately interprets and recreates the world around them.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

ART 3554 Art and Ecology (4 semester hours)

Art and Ecology is a visual arts course inspired by art and science. The course will incorporate readings, site-specific engaged learning opportunities, and contemporary and art historical examples that explore visual art and environmental ethics, culture, sustainability, and resilience. Each semester the class will focus on a different environmental issue while the Creative Experience component will remain the same.

University Core fulfilled: Explorations: Creative Experience; Flag: Engaged Learning.
Lab fee required.

ART 3585 Relief Printmaking (4 semester hours)

Exploration of relief printmaking, photoetching, and monotype processes. Graphic image making will be pursued through multiprintings. Personal visual development, technical skill, and conceptual development will be emphasized.

Prerequisites: ART 1001, 1153, OR 2585.
Lab fee required.

ART 3586 Etch Printmaking (4 semester hours)

Process using etching, aquatint, and other incising techniques on metal plates. Emphasis on black and white images with an introduction to multicolor printing.

Prerequisites: ART 1001, 1153, or 2585.
May be repeated once for degree credit for further development.
Lab fee required.

ART 3587 Silkscreen Printmaking (4 semester hours)

A printing process using serigraphy to create posters and fine art prints. Hand-cut, hand-painted, and photographic techniques will be used. The emphasis is on the development of personal expression in the creation of multicolor prints.

Prerequisites: ART 1001, ART 1002, 1660, 2880 or 2881.

Lab fee required.

ART 3588 Screen Printing (4 semester hours)

A printmaking process using silkscreening to communicate a message. Basic screening techniques will be used, including using hand-cut, photographic, and computer-generated images. Water-based textile and acrylic inks will be used. Emphasis will be on producing multicolor prints on T-shirts, posters, and 3-D materials.

Prerequisites: ART 1001, ART 1002, 1660, 2880 or 2881.

May be repeated once for degree credit for further development.

Lab fee required.

ART 3589 Lithography Printmaking (4 semester hours)

Process using drawing and painting methods that include traditional, photographic, and experimental approaches on stones and plates, covering dry and wet drawing material to develop an image. Additive and reductive, black and white, and color overprinted methods will be explored.

Prerequisites: ART 1001, 1153, or 2585.

May be repeated for degree credit with permission of instructor.

Lab fee required.

ART 3594 Gallery Issues and Practices (1-4 semester hours)

This hands-on course will cover the various components of planning, organization, and physical maintenance required for the successful functioning of the Thomas P. Kelly Student Gallery. The class will use both historic and contemporary exhibitions as case studies. The students will participate in all elements of development their own public exhibition, including curatorial design, publicity, and marketing. Students will research and write critically about gallery exhibitions and as a group they will visit numerous museums, galleries, and art studios.

Repeatable for degree credit up to three times.

ART 3597 Professional Practices in Fine Arts (2 semester hours)

Examination of the current state of the studio arts and various career options through research, discussions, and guest speakers. Includes development and presentation of a professional portfolio and resume.

Junior standing required.

Studio Arts major or Permission of instructor required.

Lab fee required.

ART 3598 Special Topic Printmaking (4 semester hours)

Students will experiment with diverse printmaking techniques, and interconnected topics ranging from social issues to environmental concerns.

Prerequisites: ART 1001, 1153, or 2585.

ART 3602 Design: Concept to Form (4 semester hours)

Design as a visual problem-solving process is explored. Emphasis is placed on the creative processes and methodologies of design as form-giving medium.

Prerequisites: ART 275 or ART 1003 or ART 2474.

Lab fee required.

ART 3603 Experimental Typography (4 semester hours)

The conceptual aspects of typography as both image and form are explored in print, environmental, and time-based media. Storytelling using typography is emphasized.

Prerequisite: ART 368 or ART 2668.

Lab fee required.

ART 3660 Visual Communication Design I (4 semester hours)

An introduction to the basic principles of visual design as they are applied to communication problems involving a message, and audience, a medium, and a context, and an audience. Students develop and apply conceptual and problem-solving skills to design graphic form for a range of content.

Prerequisites: ART 2668.

Recommended: ARHS 3560.

Lab fee required.

ART 3662 Creative Direction (4 semester hours)

The application of design principles and advertising concepts in the development of conceptual campaigns involving a message and an audience.

Prerequisites: ART 368 or ART 2668.

Lab fee required.

ART 3668 Typography II (4 semester hours)

Typography II builds upon the foundational development of typographic literacy through the visual and poetic exploration of the hierarchies and 'architectures' of the 'textual.' 'The printed word' and the book form as 'artifact,' provide both medium and metaphor for designers to discover the roles for the typographer as artist, author, and publisher in both print and electronic media.

Prerequisite: ART 2668.

Recommended: ARHS 3560.

Lab fee required.

ART 3695 Design Entrepreneurship (4 semester hours)

This course focuses on the critical role of design in addressing social, cultural, and environmental challenges within communities. We will explore how design can be a powerful tool for social change, enabling the creation of equitable, sustainable, and inclusive solutions. Students will learn and apply design methodologies to solve real-world problems and engage with human-centered design and design thinking processes to enhance experiences across different scales. This course is ideal for students interested in design, social entrepreneurship, sustainability, and community development.

Prerequisite: ART 1002 or ART 1003.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections;

Flags: Engaged Learning.

Lab fee required.

ART 3763 3D Digital Toolbox (4 semester hours)

Introduction to concepts and methods for the development of three-dimensional virtual objects, environments, and motion scenarios. Course projects include output to multiple formats such as 3D and photographic printing.

Prerequisites: ART 260 or ART 1002.

ART 3766 Multimedia Narratives (4 semester hours)

Storytelling approaches for time-based and interactive media. Students explore new tools, formats, and platforms for narrative development with a focus on audio/video fundamentals and practices.

Prerequisite: ART 260 or ART 1002.

Lab fee required.

ART 3767 Internet-based Arts (4 semester hours)

An emphasis on a working expertise in graphics, art, design, and aesthetics as they apply to interactive web authoring. This course will also utilize interactive linkages to a larger virtual arts community.

Prerequisites: ART 260 or ART 1002.

Lab fee required.

ART 3774 Motion Graphics (4 semester hours)

Exploration of motion graphic design as an experimental and applied communication medium, covering methods for animating graphics and typography, sound synchronization and post-production video/visual effects.

Prerequisite: ART 260 or ART 1002.

Lab fee required.

ART 3782 Digital Photography (4 semester hours)

An emphasis on a working expertise in digital compositing technologies utilizing Adobe Photoshop and CGI for critical image creation and manipulation.

Prerequisite: ART 260 or ART 1002 or permission of instructor.

Lab fee required.

ART 3879 Photography Special Topic (4 semester hours)

This advanced studio course focuses on a particular theme each semester. Students create a portfolio of work and examine related critical issues. Topics change every semester and can be repeated up to three times for credit. Past themes have included: Photography and Bookmaking, Documentary Photography, Fashion Photography, Lighting, Photography and Sculpture, Collage and Montage, Photography and the Archive, Food Photography and Portraiture.

Prerequisite: varies depending on the topic, but typically ART 2880 or ART 2881 or Permission of Instructor.

May be repeated three times for degree credit (max of 12 semester hours).

Lab fee required.

ART 3880 Photography II (4 semester hours)

This course offers an exploration of advanced concepts in Photography as applied to the development of personal expression. Students learn medium format photography, studio strobe lighting, advanced digital imaging, advanced black and white darkroom techniques and non-silver processes.

Prerequisite: ART 2880 or ART 280 or instructor permission.

Lab fee required.

ART 3889 Photography Workshop (2 semester hours)

Photography workshop based on specific themes or techniques. Topics change each semester. It can be repeated up to four times for credit. Changes Depending on Topic explored. For some themes, there are no pre-requisites, but some have prerequisites of ART 2880 and/or ART 2881

Prerequisite: varies depending on the topic, but typically ART 2880 or ART 2881 or Permission of Instructor.

May be repeated four times for degree credit (max of 8 semester hours).

Lab fee required.

ART 3998 Special Studies (1-4 semester hours)

1 TO 4 semester hours

ART 3999 Independent Studies (1-4 semester hours)

1 TO 4 semester hours

ART 4147 Art in LA (4 semester hours)

Internationally-recognized practicing artists, designers, critics, and curators from Los Angeles talk about their work, ideas, practices, and processes. Students will learn to write a professional exhibition proposal and complete an ambitious work for exhibition.

May be repeated 2 times for degree credit.

University Core fulfilled: Flag: Engaged Learning.

Lab fee required.

ART 4153 Experimental Media (4 semester hours)

This course explores the drawing as a creative activity at the intermediate to advanced level. The course will investigate large-scale drawing and how drawing relates to other media such as installation, performance, photography, animation and new technologies. The course also explores contemporary drawing practices and theory. Through regular in-class drawing sessions that build upon the skill level of each participant, this course will consider drawing from various cultures and contemporary approaches.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.

Lab fee required.

ART 4154 Digital Illustration (4 semester hours)

This course teaches students to illustrate original works using digital tools. Students work individually and/or collaboratively on projects with the possibility of online or print published works as a result.

Prerequisite: ART 153 or ART 1153 or ART 1001 or permission of instructor.

ART 4155 Digital Illustration (4 semester hours)

This course teaches students to illustrate original works using digital tools. Students work individually and/or collaboratively on projects with the possibility of online or print published works as a result.

Prerequisite: ART 1001 Foundation I and ART 1002 Foundation II, or permission of instructor.

ART 4157 Illustration for Print (4 semester hours)

This course allows students to illustrate works inspired by projects associated with the Marymount Institute Press and the Tsehai Publishing or independent individual projects. Students work individually and/or collaboratively on projects with the possibility of published works as a result.

Permission of instructor required.

ART 4205 Building Community with Arts (4 semester hours)

In this interdisciplinary arts course students will develop an understanding of the ways the Arts build community and can effect positive change within that community. This is a community-based learning course that introduces students to designing large-scale arts activities and the foundations of the grant writing process. This course provides students with the opportunity to learn about a full process, from writing the grant proposals to designing, revising, organizing, implementing, and reporting on the event or project. The real world designing and grant writing experience provided by this course is connected to career pathways in education, arts management, community arts, events planning, museum education, and social practice. This course is ideal for students who have the passion for children and the Arts, dance, music, theater, or visual arts and are interested in developing real world career skills in designing large-scale arts activities and grant writing.

ART 4250 Art Ed Approchs Socl & Emtl Lrn (4 semester hours)

This is an interdisciplinary course designed to benefit any student pursuing a career in public service (education, art therapy, social work, art, community activism). Students in this course will learn how to connect theories relevant to multidisciplinary arts education, expressive arts therapy/psychology, and special education in order to create optimal social and emotional learning environments for individuals and communities with special needs and/or diverse abilities.

University Core fulfilled: Integrations: Interdisciplinary Connections.
Lab fee required.

ART 4255 Methods in Teaching Secondary Art (4 semester hours)

This methodology seminar is designed to provide opportunities for prospective secondary art educators to critically examine the theoretical, historical, psychological, sociological, and practical applications of art education. Projects will involve the development, implementation, and assessment of a successful and socially responsible art education curriculum. Students will compile course material into a professional teaching resource portfolio.

Prerequisite: ART 255 or ART 2255.

Junior standing required.

Art Education Emphasis majors only.

ART 4478 Ceramics Workshop (4 semester hours)

Design problems with ceramic materials incorporating wheel-thrown and hand building techniques. Development of a personal style in addition to advanced firing techniques.

May be repeated once for degree credit by completing coursework at an advanced level.

Lab fee required.

ART 4585 Advanced Printmaking (4 semester hours)

Continuation and more advanced work in relief, etching, or silkscreen techniques.

May be repeated once for degree credit by completing coursework at an advanced level.

Prerequisite: ART 385 or ART 386 or ART 387 or ART 388 or ART 3585 or ART 3586 or ART 3587 or ART 3588.

Lab fee required.

ART 4630 Contemporary Art (4 semester hours)

An exploration of post-World War II art, with an emphasis on the development of postmodernism from 1945 to the early twenty-first century.

Recommended: ARHS 2004.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ART 4660 Visual Communication Design II (4 semester hours)

Visual Communication Design II builds on the fundamental design principles introduced in ART 3660. Portfolio-oriented projects cover the gamut of print to digital media, culminating in the design of content for the Senior Design Thesis ART 4960.

Prerequisites: ART 360 or ART 3660.

Lab fee required.

ART 4668 World Typography (4 semester hours)

World Typography builds on the fundamentals of type but examine letterforms beyond English alphabet characters. This course focuses on strategies for embracing globalism in design: bilingual identities, hybrid visual structures, and expanding the design canon beyond the west. Students learn how to utilize type as an expressive, communicative, and aesthetic tool.

Prerequisites: ART 368 or ART 2668.

Lab fee required.

ART 4696 Design Praxis (2 semester hours)

An examination of the career possibilities within the creative landscape of contemporary design. The design internship and portfolio development are emphasized. The AIGA student membership is recommended.

STAR majors and minors only.

Lab fee required.

ART 4880 Color Photography (4 semester hours)

Focus on the use of color in film Photography and Digital Imaging . Students learn large format film photography and advanced digital imaging skills including scanning, digital printing, and mural prints. Emphasis placed on the development of a long-term personal project.

Prerequisite: ART 2880 or ART 2881 .

Lab fee required.

ART 4881 Photographing Los Angeles (4 semester hours)

This interdisciplinary course looks at the various ways in which Los Angeles has been portrayed in the visual arts, film, literature, advertising, and new media from the late 19th century to the present while taking into account the cultural, historical, and physical dynamics of the city. Students will respond to the course material through the creation of various photographic projects and will learn camera function, digital imaging, and printing. Students will also engage in critical readings, complete written papers, and visit various sites throughout the city related to course content.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

Lab fee required.

ART 4950 Senior Thesis in Fine Arts (4 semester hours)

This course will focus on preparation for the required Spring BFA exhibition. It continues for Fine Arts Concentration students the professional development experience in Fine Arts. The curriculum includes all aspects of exhibition design, promotion, and artwork presentation.

Senior standing required.

BA students or BFA in Art Education, Drawing, Painting, 3D Studies, and Photography Concentration.

Lab fee required.

ART 4960 Senior Design Thesis (4 semester hours)

The senior thesis in design provides the opportunity to explore design as a liberal arts activity through focused study around the design disciplines, or the application of design to a specific subject matter. Students independently address topic areas within a creative project resulting in a body of work (aside from the professional portfolio). The topic(s) should address one or more of the following issues: the societal impact of design; design as a process for innovation; the historic and contemporary contexts of design; design as an experiential medium.

Prerequisite: ART 460 or ART 4660.

Senior standing required.

BA or BFA in Visual Communication Design.

Lab fee required.

ART 4970 Senior Thesis in Multimedia Arts (4 semester hours)

Advanced investigation in one or more areas of multimedia arts practice culminating in a final project for exhibition. Additional focus is placed on the preparation and presentation of a comprehensive exit portfolio.

Senior standing required.

Multimedia Arts Concentration.

Lab fee required.

ART 4994 Multimedia Internship (4 semester hours)

Professional experience in multimedia.

Multimedia Arts B.F.A. only.

University Core fulfilled: Flag: Engaged Learning.

Permission of instructor required.

ART 4995 Adv Studio Studies (1-4 semester hours)

Pre-professional directed study in studio art.

May be repeated for degree credit three times for further advanced development.

ART 4998 Special Studies (1-4 semester hours)**ART 4999 Independent Studies (1-4 semester hours)****ASLL 2101 American Sign Language 1 (4 semester hours)**

This introductory course provides a foundation in American Sign Language (ASL) and an introduction to Deaf culture. Students will develop fundamental communication skills through the acquisition of basic ASL vocabulary, grammar, and sentence structures. Instruction emphasizes interactive, hands-on learning, fostering proficiency through practice, visual-gestural activities, and cultural immersion. In addition to language development, students will explore key aspects of Deaf culture, including social norms, history, and community perspectives. By the end of the course, students will be able to engage in basic conversations in ASL and demonstrate an understanding of core cultural principles, preparing them for continued study in ASL and deeper engagement with the Deaf community.

ASLL 2102 American Sign Language 2 (4 semester hours)

This course builds upon the foundational skills acquired in ASL 1, further developing students' proficiency in American Sign Language (ASL) and deepening their understanding of Deaf culture. Emphasis is placed on expanding vocabulary, refining grammatical structures, and enhancing conversational fluency through interactive, student-centered activities. Students will engage in more complex dialogues, improve their expressive and receptive skills, and explore cultural topics related to the Deaf community, including historical influences and linguistic diversity. By the end of the course, students will be able to communicate in a wider range of everyday situations with increased confidence and accuracy, laying the groundwork for advanced ASL study.

BADM 598 Special Studies (1-3 semester hours)**BADM 601 The Legal and Ethical Environment of Business (3 semester hours)**

The factors present in the external environments of business relative to business law and political entities that must be dealt with by business managers. Interrelated ethical considerations will be explored, along with such topics as agency, contracts, business organizations, property, the court system, and business interfaces with local, state, and federal governments.

BADM 602 Financial and Managerial Accounting (3 semester hours)

The nature, techniques, and uses of accounting from a manager's perspective are covered. Topics include accounting methodology, corporate financial statements and disclosures, alternative accounting measurement techniques, interpreting quality of earnings, strategic planning, and operational decision making.

BADM 603 Business Statistics (3 semester hours)

This course covers the use of basic statistics, probability concepts, sampling distributions, hypothesis tests, correlation/regression analysis and analysis of variance for making rational business decisions under conditions of risk and uncertainty. Applications of the computer and standard software packages as management tools are used to simplify and facilitate this process.

BADM 604 Business Economics (3 semester hours)

This course adopts a thematic approach to applying economic concepts to solving contemporary real-world business problems. These problems are analyzed from the perspective of an entrepreneur, a business manager, and an economic policy maker. Specific themes include the following: understanding economic terminology, issues, and methods; identifying determinants of supply and demand; understanding the economics of the firm; characterizing alternative market structures; measuring aggregate demand and supply; and understanding the implications of various government economic policies.

BADM 605 Management and Organizational Behavior (3 semester hours)

The study of management relates to individual, small group, and total organizational systems. This course presents insights from a variety of academic disciplines, including management, psychology, sociology, and economics, to understand the processes through which people work together in organizations. Topics covered include management principles, leadership, motivation, decision-making, problem solving, communication, organizational culture, teams, and performance management. The course also includes a focus on ethical issues and the social responsibilities of managers in a global environment. Class discussions, cases, activities, and reflective exercises allow participants to explore and apply insights to their own professional life.

BADM 606 Marketing Management (3 semester hours)

This course covers the essential principles of marketing management as a vital component of a business operation, emphasizing marketing's strategic basis and the real-world utilization of both traditional and innovative techniques to influence both the trade and the consumer in making a purchase decision. Conceptualizing marketing as communication, we will take a customer-centric approach to: understanding what distinguishes our target audience, conducting strategic planning, developing the brand via the marketing mix, and employing marketing research techniques for both development and evaluation. We will explore how marketing guides business strategy, discovers and creates demand for products, and influences product development.

BADM 607 Effective Management of Operations & Supply Chain Using Data and Visualization (3 semester hours)

This course introduces students to the world of data and their applications in business decision making. Basic operations principles and concepts are covered which include descriptive data analysis, time series demand forecasting, process design, quality management, capacity and scheduling decisions, inventory, and supply chain management. Students will practice creating data visualizations that can help managers understand a business situation as well as illustrate effective and cost-efficient decisions.

Prerequisite: BADM 603.

BADM 608 Financial Management (3 semester hours)

This course covers the methods and instruments useful to financial managers of business enterprises for making investment, payout, and financing decisions, and in managing working capital.

Prerequisites: BADM 602 and BADM 603.

BADM 609 Management Information Systems (3 semester hours)

The course provides an overview of planning, analysis and design, implementation, and operation and control of information technology for business environments. Primary emphasis is placed on the role of the manager in a computer-based information systems environment, and the course is designed to introduce students to key IT concepts and to enhance their understanding of the issues that business executives face when developing and managing information systems.

Prerequisite: BADM 605.

BADM 610 Management Strategy (3 semester hours)

This course deals with the strategic direction of the firm. Tools for the in-depth analysis of industries and competition and techniques for the analysis and creation of competitive advantage are presented. Issues of both formulation and implementation of strategy within the firm are explored. This course seeks to develop the capability to understand and evaluate a firm's strategic situation in depth and to advance viable approaches to addressing the key issues facing it.

Prerequisites: BADM 605, BADM 606, BADM 607, and BADM 608; may be taken concurrently.

BADM 611 Management Workshop: Introduction to Business and Communications (1 semester hour)

This workshop examines the relationships among business functions and how they are integrated by management to create and sustain a business. Oral and written communication skills are also addressed.

BADM 612 Management Workshop: Personal Development and Career Planning (1 semester hour)

This workshop is a continuation of the first workshop and focuses on personal development and career planning and continues development of oral and written communication skills.

BADM 1098 Special Studies (1-4 semester hours)**BADM 2998 Special Studies (1-3 semester hours)****BADM 3098 Special Studies (1-4 semester hours)****BADM 4098 Special Studies (1-3 semester hours)****BADM 6081 Introduction to Entertainment Accounting and Finance (3 semester hours)**

This course teaches the essential language and math of business. Students will learn the nature, techniques and uses of accounting, including accounting methodology and corporate financial statements. The course will also cover the time value of money and how to make business decisions based on financial projections.

BCOR 1910 Business for Good (2 semester hours)

The LMU College of Business Administration aims to "advance knowledge and develop business leaders with moral courage and creative confidence to be a force for good in the global community." This course is a transformational experience for incoming undergraduate students that begins their journey toward a business degree and beyond, focusing on the role of business as a force for good.

The course is an immersive and interactive experience with the following elements. It involves the major global challenges that you will face in your professional careers, such as poverty and the environment, and brings out the role of business in being a force for good in addressing these challenges as well as in a broad array of issues. It involves a project where you will design a business plan to launch of a product for low-income customers in domestic or international markets, while achieving economic sustainability as well as social and environmental sustainability. It involves doing good as being at the heart of the business rather than as corporate social responsibility. It involves working with companies. And most importantly, it will involve examining your values as it relates to doing good in the professional and personal realms. The course will culminate in a poster session. In short, you will start out your careers by having all of these challenges to confront in your first semester.

BCOR 2110 Financial Accounting (4 semester hours)

This course involves the study of financial accounting. Students are introduced to 1) the role of financial accounting and reporting in business and society, 2) the basic concepts and techniques of financial accounting, and 3) the preparation and use of financial statements. Topics covered include accrual basis of accounting, the financial accounting cycle, internal controls, ratio analysis, and the reporting and analyzing of financial statement elements.

Prerequisites: BCOR 1910 (or may be taken concurrently) and MATH 110 or MATH 112 or MATH 120 or MATH 131, all with a minimum grade of C (2.0).

BCOR 2120 Accounting Information for Decision Making (4 semester hours)

This course involves the study of managerial accounting. Accounting information is used by management to make decisions that guide the organization through planning, organizing, directing, and controlling activities. Decision making requires a future orientation to the information, with relevant and flexible data. Topics covered include cost classification, costing and pricing, estimation models, cost-volume-profit analysis, segment reporting, performance evaluation, operational and capital budgeting, and non-routine business decisions.

Prerequisites: BCOR 2110 or BCOR 1910 and MATH 112 or MATH 120 or MATH 131, all with a minimum grade of C (2.0).

BCOR 2210 Legal Environment of Business (2 semester hours)

A survey course on the general concepts found in Business Law. The student will be exposed to legal and regulatory terminology, corporate structures, legal responsibilities, concepts, and reasoning found when working within the business and government environment.

Prerequisite: BCOR 1910 with a minimum grade of C (2.0).

BCOR 2710 Business Information Technology (4 semester hours)

The course will be devoted to problem-solving and acquiring personal productivity software skills for effective and efficient use in business and organizations. The course will introduce students to key concepts in MIS (Management Information Systems) and enhance understanding of the issues that business organizations face when developing and managing information systems. Emphasis is on use of information technology for business problem-solving and creating business opportunities. Specifically, the course will introduce students to:

- Application software (e.g., Excel) for solving business problems
- Basic concepts of business data communications
- Relational Database Management Systems (DBMS), like Microsoft Access, for creating database solutions that can support and transform business processes
- The use of information technology to formulate strategy and foster innovation
- The design and implementation of systems in organizations
- Web site design using a content management system or cloud-based services

This course will also examine emerging technologies and IT trends. By completing the course, students should be better equipped to understand the role of IT in solving business problems, to participate in IT projects, and to communicate more knowledgeably with IT experts.

Prerequisite: BCOR 2110 or 1910.

BCOR 2720 Business Information Technology in Accounting (4 semester hours)

This course focuses on problem-solving and the development of software skills for the efficient use of technology in business environments, with a particular emphasis on accounting and finance functions (e.g., Excel). Students will be introduced to key concepts in Management Information Systems (MIS) while exploring how businesses use information systems to streamline operations and drive decision-making. The course will also cover the fundamental principles of IT development, management, and the growing role of data analytics in accounting and finance. Students will learn how to leverage data analytics tools to interpret financial data, identify trends, and make informed decisions. The course will also examine emerging technologies, IT trends, and their implications for business practices. By the end of the course, students will be equipped to make IT-related decisions, participate in IT projects, and effectively communicate with IT professionals, especially in the context of accounting and finance.

Prerequisite: BCOR 2110 or 1910.

BCOR 3410 Fundamentals of Finance (4 semester hours)

This course introduces students to finance, primarily from a corporate perspective. The principal objective of the course is for students to develop an understanding of the basic tools of financial analysis and how to use them to make decisions. Students will learn how to incorporate time value of money and financial projections into their analyses.

Prerequisites: BCOR 2110 and ECON 1050 (or ECON 1100 and ECON 1200), ECON 2300 or ECON 2350 or MATH 104, and MATH 112 or MATH 131, all with a minimum grade of C (2.0).

BCOR 3510 Marketing and Business Communications (4 semester hours)

This course covers the essential principles of marketing as a vital component of a business operation. It emphasizes marketing's strategic bases and the real-world utilization of both traditional and innovative techniques that influence both the trade and the consumer in making a purchase decision. The course includes a focus on using marketing as a force for good, incorporating the effects of uncontrollable factors in the global environment as well as basic controllable variables essential to marketing success. These include the ethical creation, communication, and exchange of value through product decisions, pricing, distribution, and promotion. We will explore how marketing analysis guides business strategy, discovers and creates demand for products, and influences product development.

Prerequisites: BCOR 1910 and ECON 1050 (or ECON 1100 and ECON 1200) and MATH 112, all with a grade of C (2.0) or higher.

BCOR 3610 Managing People and Organizations (4 semester hours)

This course provides future leaders and managers with a basic understanding of theories and principles of Organizational Behavior (OB) and their proactive applications in critical Human Resource Management (HRM) responsibilities for the effective management of employees, teams, and organizations. Included are key and socially responsible management practices in planning, organizing, and controlling for achieving organizational goals and objectives, as well as in creating a high-quality work environment for attracting, developing, and retaining human talent.

Prerequisite: BCOR 1910 and MATH 112, with a minimum grade of C (2.0).

Must be taken in residence at LMU.

University Core fulfilled: Flag: Engaged Learning.

BCOR 3750 Analytics in Operations and Supply Chain Management (4 semester hours)

This course introduces students to decision making and model building in the management of operations which create products and/or services. The principles of operations management apply throughout the world to all productive enterprises. Efficient production methods require the effective application of the concepts, tools, and techniques that are covered in this course. Hands-on learning is an important feature of the course. A project case analysis will require students to collect, organize, and analyze data to provide recommendations for how to improve the performance of a specified operating or supply chain system.

Prerequisites: ACCT 3140 or BCOR 2710/2720, and ECON 2300 or MATH 104 and MATH 112.

University Core fulfilled: Flag: Quantitative Reasoning.

BCOR 3860 International Business (4 semester hours)

This course introduces students to international business environments, concepts, and practices. In order to understand complex issues related to global economy, students will learn about national and regional differences in political, economic, and socio-cultural systems. To acquire skills and knowledge necessary for managing international business operations, students will study international trade and investment theories and policies, foreign exchange mechanisms and markets, as well as global strategies in manufacturing, marketing, and human resources management.

Prerequisite: ECON 1050 (or ECON 1100 and ECON 1200) and MATH 112.

BCOR 4910 Business Ethics and Sustainability (4 semester hours)

Business Ethics and Sustainability focuses on the interaction and importance of social, political, economic and environmental forces in business and society. Using the framework of the UN Sustainable Development Goals, students will study the moral responsibility of business for societal and environmental impacts. Emphasis is placed on applying ethical decision models to a variety of stakeholder issues, which will include a substantial investigation into the underlying normative ethical theories and socio-political factors that impact business' broader responsibilities.

Prerequisites: BCOR 2710, BCOR 3410, BCOR 3510, BCOR 3610, BCOR 2120, and BCOR 2210, all with a minimum grade of D (1.0) and an average grade of C (2.0) across all four courses.

Must be taken in residence at LMU.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

BCOR 4970 Strategic Management (4 semester hours)

This applied course develops strategic thinking skills that enable managers to position the business to achieve and sustain superior competitive performance. This course addresses issues of both strategy design and implementation in the complex global economic environment. The course requires students to draw upon and integrate knowledge and skills developed throughout their business education.

Prerequisites: BCOR 3410, BCOR 3510, BCOR 3610, BCOR 2120, and BCOR 2210.

Must be taken in residence at LMU.

BIOE 1000 Introduction to Bioethics (4 semester hours)

Bioethics is a normative enterprise that reflects on the fundamental nature of human personhood, as well as issues of the common good. Theological reflection is integral to this endeavor. This course will invite students to examine the extent to which Christian theological reflection informs bioethical discourse on issues such as genetic medicine, stem cell research, health care dilemmas, artificial intelligence, beginning of life issues, physician-assisted suicide, and other topics.

University Core fulfilled: Foundations: Theological Inquiry.

BIOE 3000 Advanced Topics Seminar (4 semester hours)

This seminar focuses the students on a single bioethical issue, allowing a deep dive into the nuance and complexity of real-life dilemmas, as framed by the best practices of clinical bioethicists, medical ethics scholars, and "systems" experts—such as regulators, commerce-drivers and researchers. Issues include but are not limited to Justice and Health Care, Bioethics and the Beginning of Life, Bioethics and the End of Life, and Clinical Bioethics. As both a capstone and interdisciplinary seminar, this course will require a student to examine and evaluate a bioethical issue by approaching and integrating content and knowledge from other courses in the Bioethics minor.

Prerequisite: BIOE 1000.

University Core fulfilled: Integrations: Interdisciplinary Connections.

BIOE 4999 Independent Studies (1-4 semester hours)**BIOE 6000 Introduction to Bioethics (3 semester hours)**

Bioethics represents a complex intellectual phenomenon in the canon of newly emerging disciplines. Although an established academic field, it still struggles to find a formal and coherent methodology for the analysis of ethical problems triggered by advances in medicine and the life sciences. The course introduces students to the historical, theoretical, and thematic dimensions of bioethics. More specifically, the course looks at historical contribution of theologians and philosophers to bioethics; it addresses the theoretical challenges of bioethics as an interdisciplinary field, with an emphasis on dominant theories in bioethics; and, finally, it touches upon the main topics of bioethics, including medical experimentation, assisted reproductive technologies, genetics, transplantation, assisted suicide, and euthanasia.

BIOE 6100 Bioethics at the Beginning of Life (3 semester hours)

The course looks at bioethical questions that concern the beginnings of life. Topics include the ethics of abortion, maternal fetal conflicts, ethical problems in perinatology and neonatology, as well as the ethical judgment on the entire field of assisted reproductive medicine - from in vitro fertilization, to surrogate motherhood, gamete storage techniques, and pre-implantation genetic diagnosis. There is also a clinical component to this class that offers students with an opportunity for engaged learning. Students will be exposed to decision-making in the clinical setting of obstetrics and neonatology departments at various hospitals.

BIOE 6200 Law and Bioethics (3 semester hours)

The law contributes to public bioethics discourse on a variety of issues, from abortion to assisted suicide and euthanasia, to questions of access to health care. This course looks at the intersection of law and bioethics, relative especially to the study of important legal cases and court decisions. Examples include Roe v. Wade and Planned Parenthood v. Casey for abortion, Quinlan, Cruzan, and Schiavo for end of life issues, etc. Students will be exposed to the ethical reasoning of important legal cases and their jurisprudential developments, thus showing how landmark legal cases have shaped bioethical discourse.

BIOE 6300 Bioethics at the End of Life (3 semester hours)

The increasing medicalization of the dying process poses new ethical problems to health care professionals and patients alike. This course looks at the bioethical problems that concern the end of life. Topics include ethical criteria for withholding and withdrawing treatments, palliative care, proxy decision making for incompetent patients, as well as the controversial questions, newly emerging in both the clinical realm and the law, of assisted suicide and euthanasia. This class will entail a clinical component as well. Students will be exposed to decision-making in the clinical setting of the Intensive Care Unit at various hospitals or in nursing homes.

BIOE 6400 Clinical Bioethics (3 semester hours)

This class focuses on "clinical" bioethics, that is, the ethics of decision making at the bedside, exposing students to the practical mechanisms presiding over such decisions in today's health care facilities, such as ethics committees, clinical consultations, clinical rounds, etc. In addition to being introduced to some methods and content of clinical bioethics, this class offers students a first exposure to the institutional mechanism mentioned above, together with the opportunity to interact with those who do bioethics in a clinical setting.

BIOE 6500 Elective Topics in Bioethics (3 semester hours)

This course analyzes specific topics in bioethics, such as public policy and bioethics, global bioethics, feminist bioethics, the relation between bioethics and environmental sensibility, history of medicine, sociology of medicine, etc. These courses are taught by affiliate faculty of the Bioethics Institute and introduce students to the interdisciplinary dimensions of bioethical questions.

BIOE 6600 Foundations of Theological Ethics (3 semester hours)

This course introduces students to the foundations of theological ethics. After a historical introduction dealing with different models of ethical thinking, the course looks at the following: biblical roots of Christian morality; the mediation of faith and moral reason, with special reference to the relation of philosophical and theological ethics; the debate on normative theories; and the integration of virtue ethics, fundamental moral option, and action theory. Applications to contemporary issues in the field of bioethics exemplify the meaning and function of different foundational frameworks and the relation between theory and practice in theological ethics.

BIOE 6700 Foundations of Philosophical Ethics (3 semester hours)

This course introduces students to the theories and problems of moral philosophy, comprising both a historical and a systematic component. Main versions of ethics will be studied, including natural law and virtue ethics, deontological and consequentialist theories. Students will understand the function and importance of ethical frameworks for the articulation of bioethical problems.

BIOE 6999 Independent Studies (1-3 semester hours)**BIOL 214 Environmental Biology (3 semester hours)**

Provides a background in the fundamental concepts of biology, microbiology, and ecosystems and their importance and relationships to a variety of civil and environmental engineering applications.

Frank R. Seaver College of Science and Engineering majors only.

BIOL 216 Medical Microbiology (3 semester hours)

The major features and biology of microorganisms (viruses, bacteria, protozoans, fungi), including reproduction, virulence, and control both inside and outside the host. Emphasis will be placed on the interactions of microorganisms with humans, especially those microorganisms that cause disease and the host's immune response during infection.

Prerequisites: BIOL 101, BIOL 111, CHEM 110, and CHEM 111.
Health and Human Science majors only.

BIOL 217 Medical Microbiology Lab (1 semester hour)

Basic techniques for the handling and culture of bacteria; sterile technique, sample collection, and isolation of bacteria; staining and microscopy, characterization and identification of unknown bacteria; evaluation of antimicrobial agents; diagnostic testing.

Prerequisite: BIOL 216 or concurrent enrollment.
Health and Human Science majors only.

BIOL 260 Human Biology (3 semester hours)

The discussion of general biological principles with a human emphasis. Topics include: cells; heredity and reproduction; animal behavior; organ systems; drugs; disease; ecology; and evolution.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

BIOL 263 Natural History of Southern California (3 semester hours)

Introduction to the geography, climate, plant communities, and common animals of Southern California; animals will be covered in regard to behavior, taxonomy, and ecology.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

BIOL 264 The Marine Environment (3 semester hours)

An introduction to marine biology, including its history, different communities and the animals and plants that occur in marine ecosystems, and their economic importance.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

BIOL 266 Sacred and Medicinal Plant Use (3 semester hours)

The sacred and medicinal use of plants and fungi by traditional and modern cultures, including the biological basis for their use.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

BIOL 271 Human Reproduction and Development (3 semester hours)

The biological aspects of human reproduction, including the basic reproductive system, genetics, fetal development, nutrition, pregnancy, birth, and neonatal development.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

BIOL 272 Human Drug Use (3 semester hours)

The physiological, psychological, and social effects of the use of alcohol, tobacco, and other therapeutic and recreational drugs.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

BIOL 275 Human Genetics (3 semester hours)

Basic Mendelian genetics and the application to individual risk assessments. Population genetics and the implications of artificial selection. Modern molecular genetics and medical applications.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics; Flag: Quantitative Literacy.

BIOL 276 Epidemics and Infectious Diseases (3 semester hours)

An introduction to microbiology with an emphasis on microorganisms (bacteria, viruses, parasites, and fungi) that cause disease in humans. Viral replication, pathogenic mechanisms of bacteria, transmission of parasites, the function of the immune system, and vaccination will be examined in context of diseases of historical, social, and public health importance.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

BIOL 277 Plants and Society (3 semester hours)

An introduction to the natural evolution of plant species and the associated cultural evolution of man's relationship to plants. A multidisciplinary approach to studying the relationship between plants and people. An exploration of plants as sources of food and medicine, commercial products, and the role of plants in preserving and restoring the environment.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

BIOL 515 Ecology of Mutualisms (2 semester hours)

Characterization of conditional interspecific interactions and investigations into the variability of outcomes as mediated by seasonality, chemistry, novel habitats, and morphology.

Prerequisites: BIOL 102, BIOL 111, BIOL 112; CHEM 113; MATH 122 or MATH 131.

Permission of instructor required.

BIOL 518 Applied Ecology Research (2 semester hours)

Participation in original laboratory and/or field research in applied ecology, to address questions in conservation, resource management, and ecological sustainability.

Permission of instructor required.

BIOL 520 Urban Ecology Research (2 semester hours)

Research on the dynamic and integrated nature of urbanized landscapes. Projects may include the study of the patterns and process of urban ecosystem ranging from biodiversity and trophic dynamics to public health and environmental justice.

Permission of instructor required.

BIOL 521 Urban Ecology (3 semester hours)

An analysis of the dynamic and integrated nature of urbanized landscapes. Using active inquiry and the original literature, the course will engage the current theories and practice of the research being conducted on the patterns and process of urban ecosystem - ranging from biodiversity and trophic dynamics, to public health and environmental justice.

Enrollment in Urban Ecology Track or permission of program director required.

Permission of instructor required.

BIOL 522 Marine Biology Research (2 semester hours)

Participation in marine biology, ecology, and conservation research. Research may include relevant field or laboratory work and current marine science methodologies.

Permission of instructor required.

BIOL 523 Marine Conservation Research (2 semester hours)

Participation in marine conservation research. Research may include relevant field or laboratory work and current marine science methodologies.

Permission of instructor required.

BIOL 524 Marine Ecophysiology Research (2 semester hours)

Directed senior level research in the physiology and ecology of marine organisms.

Permission of instructor required.

BIOL 525 Marine Physiology Research (2 semester hours)

Participation in original laboratory and/or field research related to marine environmental physiology.

Permission of instructor required.

BIOL 528 Invertebrate Conservation Research (2 semester hours)

Participation in research on topics in invertebrate conservation biology. Research may include ecological and/or genetic approaches and methodologies.

Permission of instructor required.

BIOL 531 Developmental Genetics Research (2 semester hours)

Investigation through original literature and laboratory experience of the ways in which genes direct development.

Prerequisite: BIOL 394, BIOL 494, or BIOL 594.

Permission of instructor required.

BIOL 532 Drosophila Genetics Research (2 semester hours)

An introduction to the use of drosophila as a research tool in classical and molecular genetics.

Permission of instructor required.

BIOL 534 Cardiac Neural Crest Research (2 semester hours)

Participation in original research on the development of the cardiac neural crest, primarily using the chicken embryo as a model organism.

Permission of instructor required.

BIOL 536 Functional Morphology Research (2 semester hours)

Participation in original research investigating the functional aspect of morphology and development in carnivorous mammals.

Permission of instructor required.

BIOL 537 Vertebrate Paleontology Research (2 semester hours)

Participation in original research investigating functional, evolutionary and ecological aspects of vertebrate paleontology in mammals and birds.

Permission of instructor required.

BIOL 551 Behavior and Physiology Research (2 semester hours)

Participation in original laboratory and/or field research on social birds or mammals, addressing questions at the interfaces of behavior, physiology and ecology.

Permission of instructor required.

BIOL 552 Avian Biology Research (2 semester hours)

Participation in laboratory and/or field research on birds, addressing questions at the interfaces of behavior, physiology, and ecology.

Permission of instructor required.

BIOL 561 Bioinformatics and Genomics Research (2 semester hours)

Investigation of the systems-level properties of biological pathways and networks. Research may include bioinformatics and/or functional genomics techniques.

Permission of instructor required.

BIOL 562 Microbiology Research (2 semester hours)

Participation in research investigating the role of microbes in the environment using culture based and molecular techniques.

Permission of instructor required.

BIOL 563 Molecular Genetics Research (2 semester hours)

Laboratory work in gene mapping and gene isolation.

Permission of instructor required.

BIOL 565 Plant Developmental Biology Research (2 semester hours)

Laboratory work in molecular and genetic analysis of plant development.

Permission of instructor required.

BIOL 566 Plant Research (2 semester hours)

Participation in laboratory and/or field research on the ecophysiological response of plants to environmental extremes.

Permission of instructor required.

BIOL 567 Plant-Microbe Interactions Research (2 semester hours)

Participation in research investigating the association between microbes and plants.

Permission of instructor required.

BIOL 569 Ethnobotany Seminar (2 semester hours)

An introduction to the mutual relationships between plants and traditional peoples with an emphasis on phyto medicines and sustainability.

Permission of instructor required.

BIOL 571 Conservation Biology Seminar (2 semester hours)

A survey of topics relating to the conservation of animals and plants, including extinction, genetic aspects, demography, insularization, threats to biodiversity, economics and politics, religious and ethical perspectives, and practical applications.

Permission of instructor required.

BIOL 574 Evolutionary Ecology Research (2 semester hours)

Participation in original field, laboratory, and/or computational research that addresses questions at the interface between evolutionary biology and ecology.

Permission of instructor required.

BIOL 575 Mitochondrial Biology Research (2 semester hours)

Independent laboratory research examining questions pertaining to import of proteins into mitochondria utilizing current molecular and cell biology, biochemistry, and genetic techniques in yeast and mammalian systems.

Permission of instructor required.

BIOL 584 Advanced Topics in Gene Expression (2 semester hours)

An in-depth exposure to topics in gene expression through analysis of data from primary research literature.

Prerequisites: BIOL 201 and BIOL 202.

Permission of instructor required.

BIOL 585 Issues in Biotechnology Seminar (2 semester hours)

An interdisciplinary seminar series bringing together faculty from different disciplines to present and discuss topics in biotechnology. Examples include sustainable agriculture, advances in medicine and biotechnology, legal and ethical considerations and biotechnology, the environment and biotechnology, the manipulation of biological machinery (proteins), the fusion of engineering and biotechnology (nanotechnology), the business of biotechnology.

University Core fulfilled: Flags: Oral Skills, Writing.

Permission of instructor required.

BIOL 586 Molecular Cell Biology Research (2 semester hours)

Independent laboratory research examining questions pertaining to gene expression, including ribosome biogenesis and mRNA transport/localization, utilizing techniques of molecular and cell biology, biochemistry, and genetics.

Permission of instructor required.

BIOL 587 Molecular Mechanisms in Development Seminar (2 semester hours)

An exploration of current research utilizing molecular/genetic techniques to study developmental biology.

Permission of instructor required.

BIOL 588 Advanced Systems Biology Research (2 semester hours)

Investigation of the systems-level properties of biological pathways and networks. Research may include bioinformatics, biomathematics, and/or functional genomics techniques.

Permission of instructor required.

BIOL 594 Independent Research (1-4 semester hours)

Independent research in a faculty laboratory. Results must be presented formally.

Permission of instructor required.

BIOL 597 Biology Honors Thesis (2 semester hours)

Senior-level capstone research in biology and the preparation and publication of the Honors Thesis.

Restricted to members of the University Honors Program.

Permission of instructor required.

BIOL 598 Special Studies (1-4 semester hours)

Permission of instructor required.

BIOL 599 Independent Studies (0-4 semester hours)

Permission of instructor required.

BIOL 1010 General Biology I (4 semester hours)

Unifying principles of biology; introduction to cell structure and function, genetics, control systems, tissues, organs, and organ systems.

Frank R. Seaver College of Science and Engineering majors only.

BIOL 1020 General Biology II (4 semester hours)

An introduction to the mechanism of evolution; major patterns of biotic evolution; and the principles of ecology.

Prerequisites: BIOL 1010; either math placement into MATH 120 or above OR pre-req of MATH120 or concurrent enrollment

Frank R. Seaver College of Science and Engineering majors only.

BIOL 1110 General Biology I Lab (1 semester hour)

A survey of the three domains of life and exploration of the morphological, functional, and environmental factors that influence their biodiversity.

Prerequisite: BIOL 1010 or concurrent enrollment.

Frank R. Seaver College of Science and Engineering majors only.

BIOL 1120 General Biology II Lab (1 semester hour)

An experimental approach to biology with emphasis on design, execution, and analysis to answer biological questions in a semester-long research project..

Prerequisites: BIOL 1010, BIOL 1110, and BIOL 1020 or concurrent enrollment.

Frank R. Seaver College of Science and Engineering majors only.

BIOL 1900 First Year Biology Seminar (0 semester hours)

This course provides perspectives and insight into being a successful Biology major at Loyola Marymount University, including available resources and activities such as course registration and meeting with academic advisors. Students will learn about how to identify and get involved in scientific research on campus and will hear professional seminars from campus and visiting biologists.

Corequisite: BIOL 1110.

Required for all incoming first year Biology majors.

Credit/No Credit only.

BIOL 1994 Independent Research (1 semester hour)

An introduction to scientific research methodology: information gathering, data analysis, laboratory research practice in a faculty laboratory.

Credit/No Credit only.

Permission of instructor required.

BIOL 1996 Independent Research With Faculty (1 semester hour)

Independent undergraduate research in a faculty laboratory.

Credit/No Credit only.

May be repeated for credit.

Permission of instructor required.

BIOL 1998 Special Studies (0-5 semester hours)

BIOL 1999 Independent Studies (0-5 semester hours)

Permission of instructor required.

BIOL 2010 Cell Function (4 semester hours)

Cellular and sub-cellular structures and functions including: DNA and RNA structure and function; protein synthesis and structure; enzyme function; metabolic pathways; membrane function.

Prerequisites: BIOL 1010, CHEM 112, or concurrent enrollment.

BIOL 2994 Independent Research (0-4 semester hours)

Independent Research with faculty

BIOL 2995 Biology Internship (0-4 semester hours)

Biology Internship

BIOL 2996 Independent Research with Faculty (1 semester hour)

Independent undergraduate research in a faculty laboratory.

May be repeated for credit.

Credit/No Credit only.

Permission of instructor required.

BIOL 2998 Special Studies (0-5 semester hours)

BIOL 2999 Independent Studies (0-5 semester hours)

Instructor Approval Required

BIOL 3020 Genetics (4 semester hours)

A study of Mendelian and molecular genetics.

Prerequisite: BIOL 2010.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

BIOL 3040 Biostatistical Analysis (4 semester hours)

This course is designed to teach students how to analyze and interpret quantitative data using introductory and basic univariate and multivariate statistical methods. It demonstrates practical applications in addition to basic theory. We apply these methods to actual data from biological, ecological, and public health applications.

Prerequisites: BIOL 1010 and BIOL 1020; MATH 122 or MATH 131; MATH 123 or MATH 132 or MATH 204.
Permission of instructor required.

BIOL 3090 Applied Plant Ecology (4 semester hours)

An integrative course focusing on the foundational role of plants in ecosystems and how ecological principles and theory can be applied to solving local and global conservation and resource management problems.

Prerequisites: BIOL 1010, BIOL 1020, and BIOL 2010.
Permission of instructor required.

BIOL 3110 Plant Interactions (4 semester hours)

Study of various ways in which plants interact with other organisms, such as herbivores, pathogens, symbiotic bacteria and fungi, and the outcomes of that interplay. Examination of the physiological, biochemical, and genetic bases of these interactions and how understanding the chemical and molecular communication that takes place has implications for improvement of agriculture and human health.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1120, BIOL 2010, BIOL 3020; CHEM 220 or ENVS 358.
Permission of instructor required.

BIOL 3120 Field Botany and Lab (5 semester hours)

The identification, distribution, evolution, and ecological relationships of the native plants of Southern California.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120; CHEM 110, CHEM 111; MATH 122 or MATH 131.
Permission of instructor required.

BIOL 3130 Field Botany Lab (1 semester hour)

Field techniques applied to the identification, distribution, and ecological relationships of the native plants of southern California.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, and CHEM 112
Permission of instructor required.

BIOL 3150 World Vegetation Ecology (4 semester hours)

Characteristics and distribution of the major vegetation types of the world, emphasizing environmental conditions, plant adaptations, ecosystem processes, and impact of anthropogenic disturbance.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110; CHEM 110, CHEM 112.
Permission of instructor required.

BIOL 3180 Ecology with lab (5 semester hours)

An exploration of the interactions between organisms and their biotic and abiotic environment across population, community, and ecosystem levels.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, BIOL 2010; MATH 122 or MATH 131.
Permission of instructor required.

BIOL 3190 Coastal Ecology (4 semester hours)

This course provides students with a comprehensive overview of the ecology of coastal ecosystems, bridging the gap between terrestrial, freshwater, and marine systems. Students will utilize primary literature to study biodiversity, abiotic and biotic interactions, ecological drivers present, and adaptations of organisms to thrive in their unique environments. Students will develop a deep understanding of the ecology of different coastal habitats and current conservation efforts, practice skills in science communication, and engage in discussions on relevant literature and current topics of interest to the course.

Prerequisites: BIOL 1010, BIOL 1020.
Permission of instructor required.

BIOL 3200 Coastal Ecology Lab (1 semester hour)

In this course, students will engage in both lab and field activities, studying a variety of coastal environments. Students will 1) learn field and laboratory techniques to observe and quantify diversity in a variety of coastal habitats, including the use and effectiveness of conservation efforts; 2) learn to identify Southern California coastal flora and fauna; 3) develop and carry out a research project relevant to the course material; 4) learn to think critically, analyze data, and communicate science effectively in multiple formats.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120.
Permission of instructor required

BIOL 3210 Urban Ecology (4 semester hours)

An analysis of the dynamic and integrated nature of urbanized landscapes. Using active inquiry and the original literature, the course will engage the current theories and practice of the research being conducted on the patterns and process of urban ecosystems-ranging from biodiversity and trophic dynamics, to public health and environmental justice.

Prerequisites: BIOL 1010 and BIOL 1020.
University Core fulfilled: Flags: Engaged Learning
Permission of instructor required.

BIOL 3220 Urban Ecology Lab (1 semester hour)

An inquiry-based investigation into the biophysical and human social dimensions of a local urban ecosystem, with a focus on group project development. At least one Saturday trip.

Prerequisites: BIOL 1110, BIOL 1120 and BIOL 3210, or concurrent enrollment.
Permission of instructor required.

BIOL 3250 Avian Biology Lab (1 semester hour)

An introduction to field methods that can be used to study birds. We will learn how to identify & study birds, we will explore social topics related to birds & ornithology, and we will get outside and put some field methods into practice.

Prerequisites: BIOL 1110 and BIOL 1120.

Permission of instructor required.

BIOL 3270 Quantifying Biodiversity Field Laboratory (1 semester hour)

Biodiversity is the variety of life on Planet Earth at all levels, from genes to ecosystems. In this course we will tackle the practical challenge of quantifying or counting biological diversity. We will use traditional methods and emerging technologies, and explore the importance of practical considerations for survey spatial extent, duration, and effort/cost trade offs.

Prerequisites: BIOL 1020, BIOL 1110, BIOL 1120.

Permission of instructor required.

BIOL 3350 Comparative Anatomy and lab (5 semester hours)

A comparative study of the vertebrate structures and their significance in terms of their evolution and function.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120; CHEM 110, CHEM 112.

Permission of instructor required.

BIOL 3380 Animal Behavior with Lab (4 semester hours)

Study of the evolutionary aspects of behavioral ecology including foraging strategies, social competition, communication, sexual selection, mating systems, cooperation, and social organization.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, and BIOL 1120.

Permission of instructor required.

BIOL 3390 Animal Behavior Lab (1 semester hour)

Field lab using behavioral ecology techniques to apply scientific methods to the inquiry and study of animals

Prerequisites: BIOL 1110, and BIOL 1120.

Permission of instructor required.

BIOL 3400 Embryology (4 semester hours)

This class delves into the tissue and cell movements (morphogenesis), into the cellular differentiation pathways, and the genetic and epigenetic mechanisms that produce form and function in chordate embryos.

Prerequisites: BIOL 1010, BIOL 1110, BIOL 1120, BIOL 2010, BIOL 3020; CHEM 220.

Permission of instructor required.

BIOL 3410 Embryology Lab (1 semester hour)

The study of embryology through development histologically, through dissection and experimental embryology. Observational skills will be improved through hand-drawn reproductions, learning to recognize embryonic features and stages and become familiar with histology and anatomical terminology in sections. Students will design, make observations and document, analyze, and write up an approved, novel experimental embryology project of their own choosing.

Prerequisites: BIOL 1010, BIOL 1110, BIOL 1120, BIOL 2010, BIOL 3020; BIOL 3400 or concurrent enrollment; CHEM 222, CHEM 223.

Permission of instructor required.

BIOL 3430 Developmental Biology (4 semester hours)

Introduction to the molecular and cellular mechanisms governing the development of multicellular animals, with attention to genetic control. The biology of model systems is emphasized.

Prerequisites: BIOL 1010, BIOL 1110, BIOL 1120, BIOL 2010, and BIOL 3020.

Permission of instructor required.

BIOL 3440 Developmental Biology Lab (1 semester hour)

Experimental analysis of developmental principles with particular emphasis on the control and patterns of gene expression. The fruit fly, *Drosophila*, is used as a model system.

Prerequisites: BIOL 1010, BIOL 1110, BIOL 1120, BIOL 2010, BIOL 3020, and BIOL 3430 or concurrent enrollment.

Permission of instructor required.

BIOL 3500 Sex and Gender: Beyond the Binary (4 semester hours)

This course explores questions of sex and gender from both a biological and cultural studies perspective. It reviews the biological underpinnings of sex and sex differentiation in humans and other vertebrates and explores the social, political, and historical context in which scientific knowledge about sex and gender is produced.

Prerequisite: BIOL 1010 and 1020

Permission of instructor required.

BIOL 3510 General Physiology (4 semester hours)

Introduction to physiological principles and concepts with emphasis on organ systems.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 2010; CHEM 110, CHEM 112.

Permission of instructor required.

BIOL 3520 General Physiology Lab (1 semester hour)

Laboratory experiments in general physiology.

Prerequisites: BIOL 1010, 1110, BIOL 1120, BIOL 2010, and BIOL 3510 or BIOL 3570 or concurrent enrollment.

Cannot be taken if already completed BIOL 360 or BIOL 3600.

Permission of instructor required.

BIOL 3530 Plant Physiology (4 semester hours)

Introduction to plant function, including photosynthesis, mineral nutrition, water relations, metabolism, and growth processes.

Prerequisites: BIOL 1010, BIOL 2010; CHEM 220, MATH 122 or MATH 131.

Permission of instructor required.

BIOL 3540 Plant Physiology Lab (1 semester hour)

Laboratory experiments in plant physiology.

Prerequisites: BIOL 1110, BIOL 1120, and BIOL 3530 or concurrent enrollment.

Permission of instructor required.

BIOL 3550 Plants, Pharmacy, and Medicine (4 semester hours)

The historical, ethnobotanical, and chemical basis of medicinal plant use, plant-based pharmaceuticals, and their physiological efficacy.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 2010; CHEM 220; MATH 122 or MATH 131.

Permission of instructor required.

BIOL 3560 Cell Biology (4 semester hours)

A detailed study of subcellular organelles, including their origin, function, and regulation within the cell.

Prerequisites: BIOL 1010, BIOL 2010, BIOL 3020; CHEM 222, CHEM 223. Permission of instructor required.

BIOL 3570 Comparative Animal Physiology (4 semester hours)

Environmental and evolutionary influences on functioning of animals, focusing on mechanisms and strategies utilized by animals to cope with challenges imposed by their biotic and abiotic surroundings.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 2010; CHEM 110, CHEM 112. Permission of instructor required.

BIOL 3590 Cell Biology Lab (1 semester hour)

Laboratory experiments in cell biology.

Prerequisites: BIOL 1110, BIOL 1120, BIOL 2010; CHEM 220. Permission of instructor required.

BIOL 3600 Comparative Animal Physiology Laboratory (1 semester hour)

Laboratory experiments in Comparative Physiology.

Prerequisites: BIOL 111, BIOL 112, and BIOL 351 or BIOL 357 or concurrent enrollment.

Cannot be taken if already completed BIOL 352.

Permission of instructor required.

BIOL 3610 General Microbiology (4 semester hours)

The historical, ethnobotanical, and chemical basis of medicinal plant use, plant-based pharmaceuticals, and their physiological efficacy.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 2010; CHEM 220; MATH 122 or MATH 131.

Permission of instructor required.

BIOL 3620 General Microbiology Lab (1 semester hour)

Laboratory experiments in general microbiology.

Prerequisites: BIOL 1110, BIOL 1120, and BIOL 3610 or BIOL 4600 or concurrent enrollment.

Permission of instructor required.

BIOL 3630 Microbial Genomics Laboratory (1 semester hour)

Application of genomics tools, including laboratory methods and computer analyses, in a semester-long research project to understand microbial processes.

Prerequisites: BIOL 1110, BIOL 1120, and BIOL 3020.

Permission of instructor required.

BIOL 3640 Cell Culture Lab (1 semester hour)

Hands-on experience in maintenance and propagation of mammalian cell cultures, including use of current molecular biology tools in qualitative and quantitative analyses of cells, manipulating cells under various experimental conditions (exposure to cellular stresses), in multiple enquiry-based research projects.

Prerequisites: BIOL 1110, BIOL 1120, and BIOL 2010.

Permission of instructor required.

BIOL 3670 Biological Databases (4 semester hours)

Interdisciplinary course at the interface between biology and computer science focusing on how biological information is encoded in the genome of a cell and represented as data in a database. Biological concepts include DNA structure and function, the central dogma of molecular biology, and regulation of gene expression. Computer science concepts and skills include command line interaction, the structure and functions of a database, and the management of data ranging from individual files to a full relational database management system. Emphasis on science and engineering best practices, such as maintaining journals and notebooks, managing files and code, and critically evaluating scientific and technical information. Course culminates with team projects to create new gene databases.

Prerequisites: BIOL 201 and MATH 123 or MATH 132 or MATH 204 or MATH 205.

University Core fulfilled: Integrations: Interdisciplinary Connections
Permission of instructor required.

BIOL 3680 Bioinformatics Lab (1 semester hour)

Current bioinformatics techniques will be used to address systems-level biological questions. Techniques may include: querying biological databases, sequence alignment, construction of phylogenetic trees, comparative genomics, genome annotation, protein structure analysis and prediction, modeling pathways and networks, use of biological ontologies, or the analysis of high-throughput genomic and proteomic data.

Prerequisites: BIOL 1110, BIOL 1120, BIOL 2010.

Permission of instructor required.

BIOL 3700 Plant Biotechnology (4 semester hours)

Biotechnology is a broad discipline in which biological processes, organisms, cells or cellular components are exploited to develop new technologies. Plant biotechnology employs a wide range of tools, including traditional breeding techniques and genetic engineering, to create plants with improved traits—more productive crops, more nutritious foods, and the production of biomaterials, medicines, and bioenergy. Principles of genetics, molecular biology, genomics, biochemistry, plant cell and tissue culture, and agronomy are employed to develop these novel technologies. We will discuss methodologies used to produce these plants, the genes that have been introduced to crop plants, and commercial product development. The course will also address concerns associated with plant biotechnology, including food safety, ecological risks, and resistance.

Prerequisites: BIOL 1010, BIOL 2010, and CHEM 220.
Permission of instructor required.

BIOL 3710 Protein Biotechnology Lab (1 semester hour)

Experimental methodology to study proteomics and protein structure and function, integrating methods of biochemistry, molecular biology, microscopy, structural biology and bioinformatics.

Prerequisites: BIOL 1110, BIOL 1120, BIOL 2010, CHEM 220.
Permission of instructor required.

BIOL 3750 Special Topics in Genetics (4 semester hours)

Course explores a variety of topics including classical forward genetic screens, enhancer/suppressor screens, lethal and conditional mutant alleles, complementation and allelism, mosaics, mitotic recombination, bipartite gene expression systems, reporter genes, reverse genetics, RNA interference, and targeted mutations.

Prerequisites: BIOL 1010, BIOL 2010, BIOL 3020; CHEM 112.
Permission of instructor required.

BIOL 3760 Genetics Laboratory (1 semester hour)

Classical and modern molecular genetic experimental approaches are used to characterize an unknown mutation affecting growth. The fruit fly, *Drosophila*, is used as a model system.

Prerequisites: BIOL 1010, BIOL 1110, BIOL 1120, BIOL 2010, BIOL 3020; CHEM 110, CHEM 112.
Permission of instructor required.

BIOL 3880 Biomathematical Modeling (4 semester hours)

Introduction to mathematical and statistical concepts closely related to research problems in biology. Biological topics may include the structure, function, and regulation of the three major types of cellular pathways: metabolic, signaling, and gene regulatory pathways. Mathematical topics include statistical analysis of biological measurements, dynamic modeling of biological systems, and fitting models to observed data. Students will critically evaluate the primary literature and carry out three major modeling projects throughout the semester.

Prerequisites: BIOL 2010; and MATH 123 or MATH 132 or MATH 204 or MATH 205 with a grade of C (2.0) or higher.
University Core fulfilled: Integrations: Interdisciplinary Connections.
Permission of instructor required

BIOL 3994 Independent Research (0-4 semester hours)

Independent Research

BIOL 3995 Biology Internship (0-5 semester hours)

Instructor approval required

BIOL 3996 Independent Research with Faculty (1 semester hour)

Independent undergraduate research in a faculty laboratory.

Credit/No Credit only.

Permission of instructor required.

BIOL 3998 Special Studies (0-5 semester hours)

Instructor approval required

BIOL 3999 Independent Study (0-5 semester hours)

Instructor approval required

BIOL 4220 Marine Biology with Lab (5 semester hours)

Marine biology will provide students with an introduction to the physical and biological world: the oceans. This course is integrative, focusing on function, biodiversity, and ecology of marine organisms. In addition, students will learn how abiotic processes shape marine environments and the ecology and evolution of marine organisms.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, CHEM 110, CHEM 112.
Permission of instructor required.

BIOL 4230 Marine Conservation Biology (4 semester hours)

Marine Conservation Biology focuses on conservation issues faced and potential solutions in marine environments. Examples include climate change and climate change mitigation, unsustainable overfishing and fisheries management, marine habitat loss and marine protected area planning, and other issues and their potential solutions. After taking the course students will be able to: 1) identify human-caused environmental changes effecting marine environments, 2) understand the science behind these changes, 3) consider and discuss potential solutions to the issues, and 4) explain the public policy context behind a diversity of marine conservation issues and management solutions.

University Core fulfilled: Flags: Engaged Learning

Prerequisites: BIOL 1010, BIOL 1020, and CHEM 110

Permission of instructor required

BIOL 4240 Marine Physiology Lab (1 semester hour)

An inquiry-based investigation into the relationship between abiotic factors and marine invertebrate physiology.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, and BIOL 2010.

Permission of instructor required.

BIOL 4370 Plant Development (4 semester hours)

Biochemical, molecular, and genetic approaches to the study of pattern and tissue formation, embryogenesis, germination, flowering, photosynthesis, and plant-microbe interaction.

Prerequisites: BIOL 1010, BIOL 2010, BIOL 3020; CHEM 220
Permission of instructor required.

BIOL 4380 Plant Development Lab (1 semester hour)

Laboratory experiments in plant developmental biology.

Prerequisites: BIOL 1110, BIOL 1120, and BIOL 4370 or 3700, or concurrent enrollment.

Permission of instructor required.

BIOL 4390 Molecular Biology Applications (5 semester hours)

The application of the techniques employed in molecular biology to the study of inherited diseases, genetic engineering, infectious diseases, cancer, and gene therapy.

Prerequisites: BIOL 1110, BIOL 1120, BIOL 3020; CHEM 220.

Permission of instructor required.

Lab fee.

BIOL 4400 Molecular Neurobiology (4 semester hours)

A comprehensive study of the physiological and molecular properties of individual nerve cells and the synaptic connections between them. Basic mechanisms of mammalian nervous system function through the study of human neurological diseases, and how cellular and molecular basis of these diseases is driving therapeutic development will be discussed. Topics range from neuronal structure and function, communication at the synapse, biophysics of single channel gating, and transmission across chemical and electrical synapses. Additionally, actions of drugs on brain at clinical, cellular, and molecular levels will be explored.

Prerequisites: BIOL 1010, BIOL 2010, and CHEM 112.

Permission of instructor required.

BIOL 4430 Molecular Biology (4 semester hours)

Study of properties, synthesis, and interactions of macromolecules; genetic engineering.

Prerequisites: BIOL 3020; CHEM 220, CHEM 222.

Permission of instructor required.

BIOL 4460 Behavioral Endocrinology (4 semester hours)

This course discusses foundational literature and recent advances in the study of the interaction between hormones and behavior. The role of hormones in regulating various animal behaviors, including reproductive, parental, and social behaviors will be major themes of this course. We will also focus on experiments and techniques for studying how hormones facilitate behavioral and physical responses in vertebrates.

Pre-requisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, BIOL 2010, BIOL 3020.

Permission of instructor required.

BIOL 4490 Immunology (4 semester hours)

The study of the human immune system, including innate and adaptive immune responses; the interaction of cells, receptors, and soluble factors during an immune response; the development of B and T cells; and the role of the immune systems in health and disease.

Prerequisites: BIOL 1010, BIOL 2010, BIOL 3020, and CHEM 220.

Permission of instructor required.

BIOL 4500 Physiology of Disease (4 semester hours)

Examination of normal function and selected disease-associated dysfunctions of the body's organ systems.

Prerequisites: BIOL 1020, BIOL 2010, BIOL 3020; CHEM 220.

Permission of instructor required.

BIOL 4590 Stem Cell Biology (4 semester hours)

This course provides an introduction to progenitor and stem cell biology, and the role of these cell types in development, homeostasis, and potential therapeutics. These topics are explored in several model systems and in humans, with an emphasis on scientific research.

Pre-requisites: BIOL 2010, BIOL 3020.

Permission of instructor required.

BIOL 4600 Environmental Microbiology (4 semester hours)

Introduction to the diversity of microorganisms and their role in ecological and environmental processes in soil, water, and air; environmental services provided by microorganisms; and how microbial functions are utilized in managed and artificial systems.

Prerequisites: BIOL 1010, BIOL 2010; and CHEM 220 or ENVS 358.

Consent of instructor required.

BIOL 4720 Epidemiology (4 semester hours)

Introduction to the principles of epidemiology, including factors governing health and disease in populations.

Prerequisites: BIOL 1010 and BIOL 1020.

Permission of instructor required.

BIOL 4740 Evolution (4 semester hours)

Evolution is a central and unifying theme in the life sciences. In this course, we will examine the pattern and the process of biological evolution, the history and development of evolutionary thought, microevolutionary mechanisms of change, speciation, and large-scale macroevolutionary phenomena. Readings from the literature, with a focus on experimental studies of evolution, will be discussed in class.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, and either placement into MATH 120 or above OR completion or concurrent enrollment of MATH 120.

Cannot be taken if completed BIOL 4750.

Permission of instructor required.

BIOL 4750 Evolution with Lab (5 semester hours)

Evolution is a central and unifying theme in the life sciences. In this course, we will examine the pattern and the process of biological evolution, the history and development of evolutionary thought, microevolutionary mechanisms of change, speciation, and large-scale macroevolutionary phenomena. Readings from the literature, with a focus on experimental studies of evolution, will be discussed in class. The field lab will engage students in a set of inquiry-based investigations of microevolutionary and macroevolutionary forces that shape different ecosystems in Los Angeles.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, either math placement into MATH 120 or above OR pre-req of MATH120 or concurrent enrollment.

Permission of instructor required.

BIOL 4760 Evolution Field Lab (1 semester hour)

A set of inquiry-based investigations of microevolutionary and macroevolutionary forces that shape different ecosystems in Los Angeles.

Prerequisites: BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120.

Permission of instructor required.

BIOL 4780 Molecular Genomics with Lab (5 semester hours)

Fundamentals of the central model of molecular biology as they apply to biotechnology. Advances in understanding genes, gene expression, and genomes due to The Human Genome Project and associated new high-throughput technologies. Use of systems biology perspectives and genomics and bioinformatics tools to answer biological questions in a research project. By the end of this course, students will have the confidence, knowledge, and skills to work independently on a molecular biology research project.

Prerequisites: BIOL 1110, BIOL 1120, and BIOL 2010

Permission of instructor required.

BIOL 4790 Molecular Mechanisms of Disease (4 semester hours)

Analysis of the molecular mechanisms which underlie the pathology of genetic and infectious diseases. Particular attention paid to molecular mechanisms of disease treatment and experimental analysis in the field of human molecular genetics.

Prerequisites: BIOL 2010; CHEM 220

Permission of instructor required.

BIOL 4990 Biological Teaching (1 semester hour)

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Credit/No Credit only.

Permission of instructor required.

BIOL 4991 First Year Biological Teaching (2 semester hours)

Guided teaching of first year undergraduate laboratories.

May be repeated for credit for up to 4 semester hours.

Permission of instructor required.

BIOL 4994 Independent Research (0-4 semester hours)

Instructor approval required

BIOL 4996 Independent Research with Faculty (1 semester hour)

Independent undergraduate research in a faculty laboratory.

Credit/No Credit only.

Permission of instructor required.

BIOL 4998 Special Studies (0-5 semester hours)

Instructor approval required

BIOL 4999 Independent Studies (0-5 semester hours)

Instructor approval required

BIOL 5996 Biology Senior Thesis (2 semester hours)

Senior thesis research in a faculty laboratory. Results must be presented formally.

Permission of instructor required.

BIOL 5997 Biology Honors Thesis (2 semester hours)

Senior-level capstone research in biology and the preparation and publication of the Honors Thesis.

Restricted to members of the University Honors Program.

Permission of instructor required.

BIOL 5998 Special Studies (0-5 semester hours)

Permission of instructor required.

BIOL 5999 Independent Studies (0-4 semester hours)

Permission of instructor required.

BLAW 3210 Legal Tools for Business Professionals (4 semester hours)

This is an exciting course that will explore and give important tools to students to better navigate areas of business law. The course is perfect for students who are interested in law school and related legal professions, careers in banking, careers in accounting, and careers in business or governmental compliance. This course is a survey course of a number of different areas in the law that directly impact business. The course will go into more depth and expand on concepts learned in BCOR 2210 (such as contracts and business entities), and introduce new, relevant, more complex areas of business law such as federal securities regulation and corporate governance, creditor's rights, agency law, the legal protections surrounding real and personal property and the role or impact of having professional standards.

Prerequisite: BCOR 2210.

BLAW 3270 Marketing Law (4 semester hours)

An upper-level elective focused on the legal and regulatory environment surrounding the activities and relationships between business and consumers.

Some topics and laws addressed by the course include product safety, design and warnings, antitrust behaviors in distribution and pricing, deception and fairness standards for advertising, sales, and promotions. The course also includes a creative component and writing flag where students apply certain laws to particular marketing practices. (See MRKT 3570.)

Prerequisites: BCOR 2210 and BCOR 3510.

BLAW 4210 Entertainment Law (4 semester hours)

The course provides students with practical and general business and legal knowledge that they will need if they work in film, television, and new media entities or if they operate their own entertainment business. Course will consist of a broad overview of the business of entertainment and entertainment law, including: understanding various business entities; knowledge of key legal terms in entertainment agreements; and understanding and preparation for business and legal issues found in entertainment.

Prerequisite: BCOR 2210.

BLAW 4220 Employee Rights and Employer Responsibilities (4 semester hours)

This course provides a broad overview of federal and state employment laws, administrative agency regulations, and judicial decisions that govern the management of human resources. It provides a framework for the analysis and implementation of procedures that impact the employer-employee relationship in the workplace. The course is highly interactive and surveys key legal terms and concepts critical for the employee to protect his/her rights and to understand the employer's legal/ethical responsibilities. The course will also explore the regulations and legal/ethical duties of human resources professionals and allow for active interaction with a variety of human resource professionals. Key topics covered will include the rules for proper advertising, screening, interviewing, and hiring of applicants; an analysis of the procedures that shape the training, promotion, discipline, and termination of employees; grievance handling, anti-discrimination laws, employee rights, health and safety regulations, leaves of absence, harassment prevention, regulatory compliance, and administrative adjudication of claims.

Prerequisite: BCOR 2210.

BLAW 4230 Sports Law (4 semester hours)

Sports Law is a practical course that focuses on the nature, formation, and application of traditional legal concepts in relation to sports as a business and social entity. This upper division elective provides a comprehensive introduction to the different dimensions of the legal environment and their influence on the business of sports.

Prerequisite: BCOR 2210.

BLAW 4240 Real Estate Law (4 semester hours)

A study of the legal aspects involved in real estate ventures. This course will explore the nature of property and land transactions, management based on current law code, and existing case law. This course provides an excellent legal foundation for students with an interest in future property ownership.

Prerequisite: BCOR 2210.

BLAW 4250 International Business Law (4 semester hours)

This course provides an excellent legal foundation for the international operation of businesses. Students will address balancing the legal interests of domestic and international parties and will explore the applicable legal guidelines and case history.

Prerequisites: BCOR 2210 and BCOR 3860.

BLAW 4260 Law for the Entrepreneur (4 semester hours)

This course addresses the legal aspects of entrepreneurship and creating new ventures. Entrepreneurs face many challenges as they pursue a new business idea and may not have the funding or resources to immediately seek legal counsel. With the right legal tools, they can learn to identify potential legal issues and take steps that provide significant legal protections and avoid future liability. Students will learn to recognize potential legal issues through case studies and when to hire attorneys and how to effectively work with attorneys to resolve these issues. In addition to discussing applicable legal rules, the course will focus on practical steps entrepreneurs can take to build and protect a new venture or small business. The goal of the course will be for students to have a better understanding of practical ways they can protect a new venture or small business and spot potential issues from a business-legal perspective. The course is designed for entrepreneurs and any student interested in learning about the legal aspects of entrepreneurship.

Prerequisite: BCOR 2210.

BLAW 4270 Integration of Law, Ethics, and Spirituality (4 semester hours)

An upper division survey course dealing with many current legal issues connected to ethics and spirituality. In effect, the goal is to develop a deeper appreciation regarding the effective interrelationship between law, ethics, and spirituality when dealing with complex issues. In order to develop one's ability to apply the tools of ethics, law, and spirituality, specific cases and situations in the employment law venue will be utilized. Moreover, an interfaith gloss on ethics and spirituality will be provided by hearing a few key scholars from some of the following religious traditions: Buddhism, Hinduism, Islam, Catholicism, Judaism, and Protestantism. This interfaith gloss will allow for additional important concepts to enter into our classroom discussions. Simply put, this is a highly creative, interactive, and exciting offering.

Prerequisite: BCOR 2210.

BLAW 4298 Special Studies (1-4 semester hours)**BLAW 4299 Independent Studies (1-4 semester hours)****BSAN 5998 Business Analytics (0-3 semester hours)****BSAN 6010 Fundamentals of Business - Accounting, Finance & Operations (3 semester hours)**

This course provides the fundamental principles of financial reporting, managerial accounting, operations and supply chain management. This course provides a business perspective that focuses on cross-functional decision-making. Students will learn the role of each function in organizations as well as how information flows between different business functions. Students will create and review balanced scorecards that provide a comprehensive view of a business by focusing on the operational and developmental performance of the organization as well as its financial measures.

BSAN 6011 Operations and Supply Chain Analytics (1.5 semester hours)

This course provides fundamental principles of operations and supply chain management along with a business perspective that focuses on cross-functional decision-making. Students will learn how information flows between different business entities and how systems can be improved using basic analytics. Topics include time series forecasting, aggregate planning, quality management, production process strategies and design, inventory management, location analysis, transportation systems and supply chain design.

M.S. Business Analytics majors only.

BSAN 6020 Marketing for Managers (3 semester hours)

In this course we will emphasize the role of marketing and marketing management in society. Basic controllable variables essential to marketing success will be examined including market analysis, product development, pricing, distribution, and promotion. We will explore how marketing facilitates business strategy, discovers and creates demand for products/services, and influences product development.

BSAN 6030 Programming for Data Management (3 semester hours)

This course introduces learners to Python programming for data analytics. It introduces the basics of programming (algorithms, variables and data types, operators, looping and branching) and provides a working knowledge of Python libraries to process data. It includes how to retrieve, clean, manipulate, and analyze structured and unstructured data. Students will also be introduced to the basics of data management architecture such as relational databases and data warehouses, as well as use of SQL within Python for querying and interacting with such data architectures.

Prerequisite: Completion of a college statistics course in the last four years with a grade of B or better.

BSAN 6040 Data, Models and Decisions for Analytics (3 semester hours)

The course introduces students to the process of understanding, displaying, visualizing and transforming data into insight in order to help managerial decision makers make better, more informed, data-driven decisions. The course provides a basic introduction to cleaning data as well as exploring data with descriptive analytics and visualization techniques. It also provides an introduction to predictive analytics (forecasting and regression), and prescriptive analytics (simulation and optimization). The course will require the use of Excel, Tableau, and other specialized analytics and decision-making software.

Prerequisite: Completion of a college statistics course in the last four years with a grade of B or better.

BSAN 6050 Customer Relationship Management Analytics (3 semester hours)

Customer relationship management (CRM) is a business strategy paradigm that focuses on the systematic development of ongoing, collaborative customer relationships as a key source of sustainable competitive advantage. CRM represents a fundamental change in approach from traditional marketing; the goals shift from market share to share of customer. Operating under the assumption that competitive advantage is often gained through building customer equity, this course introduces the theory and practical implementation of customer relationship management strategies using customer databases. CRM Strategy Topics include: fundamentals of CRM strategy, customer profiling, measuring customer life-time value, customer profitability analysis, customer loyalty programs, and CRM technology overview. CRM Analytic Topics include: modeling customer lifetime value with linear regression, logistic regression for churn prevention, modeling time to reorder with survival analyses, association rules for market basket analyses, and customer profitability analyses. Students will be introduced to R programming and Excel-based analytic tools.

Prerequisite: Completion of a college statistics course in the last four years with a grade of B or better.

BSAN 6060 Data Management for Business Intelligence (3 semester hours)

Current management practices place an increasing dependence on the use of information to manage a business-business intelligence systems and analytics tools play a critical role in this regard. To help managerial decision makers do their job effectively, it is necessary to understand the decision-making process, the nature of data/information used in the decision making process and the role of information technology (in particular, business intelligence technologies) in that process. Data plays a significant role in creating a robust and reliable business intelligence system. This course focuses on various data wrangling tools and techniques that teach how to collect, store and clean data. We will focus on using various business analytics tools for extracting, transforming and loading data into an "analytics ready" data format. Students will also learn about different data storage architectures, such as relational and non-relational databases and data warehouses, as well as Big Data architecture and management of Big Data.

Prerequisite: BSAN 6040 (with a minimum grade of C+).

BSAN 6070 Introduction to Machine Learning (3 semester hours)

This course will provide students a hands-on application-oriented exposure to machine learning (ML), while taking a deep dive into the fundamentals of supervised and unsupervised machine learning algorithms, model selection, feature engineering, data fitting, model evaluation and optimization. Students will also learn how to instantiate, test, and deploy ML models using platforms such as Azure ML and Python libraries using real life data sets. Finally, students will develop the skills to interpret ML based predictive models to support business decision making.

Prerequisite: BSAN 6030 (with a minimum grade of B-).

BSAN 6080 Strategic Analytics Integration (3 semester hours)

This course integrates concepts, tools, methods, and applications of modeling and strategic decision making in business. Students will develop a working knowledge of quantitative data-driven decision-making approaches, such as perceptual mapping, choice models, optimization, regression, cluster analysis, conjoint analysis, and diffusion modeling. This course is aimed at providing students, as future managers and/or data scientists, with the set of tools and skills needed to make intelligent and critical use of data in systematic decision making.

Prerequisites: BSAN 6040 and BSAN 6050.

M.S. Business Analytics majors only.

BSAN 6088 Statistics Bootcamp and Capstone Project Preparation I (0 semester hours)

This class is a mandatory workshop series to establish a baseline in statistics fluency and to help students prepare for the Summer Capstone Project. A portion of the workshops serves as a refresher for basic statistics concepts required in order to understand the program material. Other workshops cover how to identify and frame a business problem with the objective of delivering measurable business value and how to perform effectively as a team. Teams will be formed for the Summer Capstone Project and matched with industry clients so that teams can start working on identifying and framing their client's business problem.

M.S. Business Analytics majors only.

Credit/No Credit only.

BSAN 6089 Capstone Project Preparation II: Research Design, Project Management, and People Dynamics (0 semester hours)

This class is a mandatory workshop series covering the research design process to facilitate the Summer Capstone Project's approach to the identified business problem. Throughout the workshops, students will have the opportunity to learn about and practice the various interactions between the project team members, stakeholders, and clients. One of the workshops will cover experimental design. Teams will then start to collect data for their project and learn how to take into account ethical considerations when dealing with the data.

Prerequisite: BSAN 6088.

M.S. Business Analytics majors only.

Credit/No Credit only.

BSAN 6090 Capstone Project I (3 semester hours)

Students will practice team-oriented problem-solving skills in the context of undertaking and completing a live business analytics project. They will demonstrate their knowledge and understanding of business concepts and analytics techniques in identifying and structuring a problem, collecting and managing data, and applying analytic modeling techniques to provide insights and recommendations for the project. The course will enable students to acquire and demonstrate their understanding, use, and proficiency in project management skills related to tackling business analytics projects as they work with a real client. Students may have to identify, learn and apply new skills and techniques that were not taught in BSAN courses but are needed to address the client's problem.

Prerequisite: BSAN 6060, BSAN 6070 and BSAN 6080 (all with a minimum grade of C+), BSAN 6089.

M.S. Business Analytics majors only.

BSAN 6095 Capstone Project II (3 semester hours)

Students will continue to acquire and demonstrate their understanding, use, and proficiency in project management and business analytic skills as they work on the real business analytics project started in BSAN 6090. Students will practice their written and oral communication skills as well as their ability to generate insights through data visualization techniques in the write-up and presentation of their projects to effectively communicate with their clients.

Prerequisite: BSAN 6090.

M.S. Business Analytics majors only.

BSAN 6100 Data Visualization and Geographic Information Systems (3 semester hours)

A picture is worth a thousand words, and a map is worth a thousand pictures. This course is intended to equip students with principles, skills, tools, and techniques in data visualization to be able to tell a story through data visually. Students will be able to uncover relationships between data in exploratory data analysis through visualization and present meaningful and interactive reports to non-technical persons, managers, and executives. In addition, students will dive into the use of Geographic Information Systems (GIS), where students can explore data spatially. Topics include data visualization design principles, exploratory data analysis through visualization, interactive dashboard creation, introduction to GIS tools and techniques, and hot spot analysis.

BSAN 6198 Special Studies (1-3 semester hours)

3-unit 6198 courses will fulfill an elective requirement for the M.S. Business Analytics program

BSAN 6200 Text-Mining and Social Media Analytics (3 semester hours)

This course illustrates the functionalities of text mining and analytics as a business decision-making tool by using a variety of statistical methods to collect and analyze text data. Computational linguists have developed a research stream of understanding and analyzing text. Consequently, business organizations are acquiring knowledge on techniques of text analytics to make a better decision. Due to a large pool of unstructured text entangled in social media, leveraging effective text analytic method is the next leading edge. This course encompasses the fundamentals of computational linguistics that will include some technical features but will mostly emphasize the business application of text analytics. Business and industry cases are used to demonstrate the usefulness and effectiveness of the text analytics techniques used. Students use software to perform computational studies, obtain solutions, and analyze the results. This course also examines what business decisions can be promoted by text analytics as well as effective techniques for rapidly solving the business problems.

Prerequisites: BSAN 6030 and BSAN 6040 or MBAA 6080 (both with a minimum grade of B-).

BSAN 6300 Marketing Analytics (3 semester hours)

Marketing analytics refers to the techniques, practices, and processes of analyzing data related to markets and customers for deeper insights and better decisions. The focus on this course is to facilitate the students to possess the right skills to participate in the cooperative ecosystem of marketing analytics. This includes obtaining contextual knowledge (students will be able to employ a systematic framework to obtain contextual knowledge from industrial practitioners before they start to college and analyze data); applying proper quantitative methods (students will be able to design proper sampling strategy and choose suitable methods for various problems and types of data); communicating insights (students can translate the analytical results into business insights and communicate the insights to their audiences like managers, customers, policymakers effectively). Specific modules of this course include introduction to marketing analytics, customer segmentation, customer life-time value, promotion and advertising, user generated contents and social media analytics, sales force analytics, sampling and experiment design, confounding factors in analytics, communication of marketing analytics. Students will practice the methods with R, Excel, and other necessary tools.

Prerequisite: BSAN 6050 and BSAN 6040 or MBAA 6081 (both with a minimum grade of B-).

BSAN 6400 Healthcare Analytics (3 semester hours)

The initiation of ARRA by the US Federal government in 2009 has led to a significant impact in the Health Information Technology (HIT). One of the areas where the impact is distinctly visible is digitization of health records and its widespread adoption. Enterprise scale health information management software suites have led to organized capture, storage, and distribution of healthcare data in electronic form, making the healthcare vertical ripe and ready for analytic applications. The advances of modern data analytics, when combined with the HIT has already started demonstrating a potential of fundamentally changing the paradigm of disease diagnostics, medical decision making, and patient management. This introductory graduate level course is designed to provide an integrated perspective of healthcare information systems (EHR/PHR), data analytics, and the healthcare domain. Building on the concepts and vocabulary of these fields, students will carry out research and projects to develop analytics applications using data sets from the healthcare domain. This course will be suitable for students with healthcare domain knowledge, seeking training in data analytics and HIT as well as students with information technology and analytics knowledge seeking training in the healthcare domain.

Prerequisites: BSAN 6030 (with a minimum grade of B-)

BSAN 6500 Digital Transformation with Emerging Technologies (3 semester hours)

This course introduces students to the critical concepts of digital transformation, a vital factor for businesses to succeed in today's fast-evolving landscape. Students will explore how emerging technologies are driving disruption and reshaping industries worldwide by revolutionizing access to data, communication and computing power. While emerging technologies are at the heart of digital transformation, successful transformation also requires businesses to rethink their organizational cultures, business models and processes. Companies must embrace an ecosystem-based approach, prioritize agile development, and adopt data-driven decision-making. Modern managers must not only understand the technology itself but also the broader business implications of these changes. Through a combination of interactive lectures, real-world case studies and hands-on labs, students will gain insights into how companies can leverage technology for growth and innovation. They will learn how emerging technologies are transforming industries, enabling businesses to harness data, make smarter decisions, and thrive in a digital-first world. By the end of the course, students will have a solid understanding of digital transformation and the key emerging technologies shaping the future of business. They will be equipped to make informed decisions about deploying today's emerging technologies and effectively navigate the complex intersection of technology, process, business model and organizational culture. Students will leave with the knowledge and skills to confidently communicate with both business leaders and technology experts.

CATH 1010 New Testament Contexts (4 semester hours)

This course introduces students to the New Testament writings in their historical, literary, social/ political, and religious contexts. Students will learn various methodological approaches to the study of the NT, as well as consider the history of interpretation and the role of modern social-location in the interpretive process.

University Core fulfilled: Foundations: Theological Inquiry

CATH 1020 American Catholicism (4 semester hours)

This course is an examination of Catholics' search for transcendent meaning throughout the history of the United States. It examines the way Catholicism has formed in a historically Protestant land from its diverse colonial origins (Spanish, French, and English) through successive waves of immigration to today's multicultural context.

University Core fulfilled: Foundations: Theological Inquiry.

CATH 1030 Exploring the Catholic Theological Tradition (4 semester hours)

(See THST 1030).

CATH 1998 Special Studies (1-4 semester hours)**CATH 1999 Independent Studies (1-4 semester hours)****CATH 3020 Late Antique and Medieval Western Christianity (4 semester hours)**

(See THST 3020.)

CATH 3021 The History of Christianity from the Middle Ages to the Present (4 semester hours)

(See THST 3021.)

CATH 3022 Women in Christian History (4 semester hours)

(See THST 3022.)

CATH 3023 Medieval Religious Thought and Practice (4 semester hours)

(See THST 3023.)

CATH 3100 Ethics (4 semester hours)

(See PHIL 3100.)

CATH 3105 Ethics of Love and Marriage (4 semester hours)

(See PHIL 3105.)

CATH 3110 Environmental Ethics (4 semester hours)

(See PHIL 3110.)

CATH 3115 Ethics for Engineering and Science (4 semester hours)

(See PHIL 3115.)

CATH 3120 Business Ethics (4 semester hours)

(See PHIL 3120.)

CATH 3125 The Two Thousand Years of Christianity in Asia (4 semester hours)

This course traces the two significant developments of Christianity in Mesopotamia, Central Asia, South Asia, Southeast Asia and East Asia: during the eastwards spread in the first millennium and then its second movement since the Age of Discovery.

Fulfills Interdisciplinary Connections.

CATH 3200 Medieval Art (4 semester hours)

(See ARHS 3200.)

CATH 3211 Jesus in Gospel and Film (4 semester hours)

(See THST 3211.)

CATH 3220 Eastern Christian Traditions (4 semester hours)

(See THST 3220.)

CATH 3221 Greek Orthodox Tradition (4 semester hours)

(See THST 3221.)

CATH 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue (4 semester hours)

(See THST 3222.)

CATH 3223 Mystics and Heretics (4 semester hours)

(See THST 3223.)

CATH 3226 Migration and the Border (4 semester hours)

In this course, students study migration and the border, coming to terms with the empirical reality of contemporary immigration while constructing their own theological response. The course begins with an examination of the social science of migration, with special emphasis on sociological study of migration and immigrant adaptation. Students then critically examine biblical and other historical texts that treat migration and movement, followed by a deep engagement with Christian theologies of migration, with a comparison to Jewish and Muslim approaches to migration. The course includes a visit to the U.S.-Mexico border, observing and discussing the institutions of border control and the stories of immigrants and deportees on both sides of the border. For those unable to go, equivalent engaged learning experiences will be available.

University Core fulfilled: Integrations: Faith and Reason.

CATH 3230 Jesus, Kingdom, Church (4 semester hours)

See THST 3230.

CATH 3231 Catholicism after Vatican II (4 semester hours)

(See THST 3231.)

CATH 3232 U.S. Latinx Theology (4 semester hours)

(See THST 3232.)

CATH 3236 God and the Human Experience (4 semester hours)

This course examines the modes of discourse, levels of reflection, and diverse experiences of individuals and communities in the search for God.

University Core fulfilled: Integrations: Faith and Reason.

CATH 3237 Sex and the City of God (4 semester hours)

(See THST 3237.)

CATH 3240 Water, Word, and Wine (4 semester hours)

(See THST 3240.)

CATH 3241 Meeting Christ in Faith and Art (4 semester hours)

(See THST 3241.)

CATH 3242 Faith and the Management Profession (4 semester hours)

(See THST 3242.)

CATH 3244 The Cross and the Lynching Tree (4 semester hours)

Historically and contemporaneously, the cross, a foundational image of Christian faith, has also been associated with political terror. In this course, beginning with the landmark theological work of Black liberation theologian Dr. James Cone, we will explore the meaning of the cross during the Roman Empire and in the post Reconstruction American South. We will ask who are crucified, and the effect of Black and Brown people being framed as crucifiable. We will reflect on what the cross and the lynching tree mean to Christians and to followers of other traditions and examine what role we play as the narrative of crucifixion and empire is played and replayed.

This course examines questions of faith, God, religious practice, humanity, spirituality, and liberation in light of diverse African American experiences, ideas, and practices. By an analysis of diverse sources in both Black and Womanist theology, the class explores the complex dynamics between race and religion and highlights how Black voices contribute to the human search for God.

Fulfills: INT: Faith and Reason.

CATH 3250 Psychology, Spirituality, Transformation (4 semester hours)

(See THST 3250.)

CATH 3251 Practice of Everyday Life (4 semester hours)

A critical examination of ordinary practices of everyday life as a source for spiritual knowledge and social-political transformation.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

CATH 3252 Orthodox Christian Spirituality (4 semester hours)

(See THST 3252.)

CATH 3260 Ignatian Values, Leadership & Praxis (4 semester hours)

Guided by LMU's mission to educate the whole person, this particular Ignatian-themed theological course aims to form Ignatian leaders by providing a unique curricular experience that highlights the University's tripartite mission to encourage learning, foster holistic education, and serve faith while promoting justice in an intentional way. Highlighting the Ignatian roots of the Mission statement as sponsored by the Jesuits, the Religious of the Sacred Heart of Mary, and the Sisters of Saint Joseph of Orange, this course seeks to help students understand and intentionally live out this Mission that grounds their education at LMU in creative, practical ways by providing activities that balance body, mind, heart and spirit, as well as fostering action and reflection grounded in Ignatian principles and praxis for leadership.

IFTR: INT: Faith and Reason; FQTR: FND: Quantitative Reasoning.
Pre-requisites: Lower division CATH or THST course.

CATH 3281 Islam in America (4 semester hours)

(See THST 3281.)

CATH 3285 Women and Religion (4 semester hours)

(See THST 3285.)

CATH 3286 Religion & (Non) Violence (4 semester hours)

This course draws on theology and peace and conflict studies in order to understand the relationship between religion and violence. Students examine theories of religious violence, analyze how religions have understood and enacted either violence or nonviolence, and assess the role of religion in peacebuilding.

University Core fulfilled: Integrations: Faith and Reason.

CATH 3310 Guadalupe: Queen of the Americas (4 semester hours)

(See CHST 3310.)

CATH 3339 Rhetoric, Literature, and Religion (4 semester hours)

(See ENGL 3339.)

CATH 3400 Philosophy of Religion (4 semester hours)

(See PHIL 3400.)

CATH 3440 The God of Faith and Reason (4 semester hours)

A philosophical exploration of the relationship between faith and reason, especially with regard to their common object, carried on in the light of the Catholic intellectual tradition.

University Core fulfilled: Integrations: Faith and Reason.

CATH 3561 Christian Marriage and Sexuality (4 semester hours)

(See THST 3561.)

CATH 3563 Love and Justice (4 semester hours)

(See THST 3563.)

CATH 3712 Augustine (4 semester hours)

(See PHIL 3712.)

CATH 3741 Religion and Film (4 semester hours)

(See THST 3741.)

CATH 3750 Into the Desert (4 semester hours)

An exploration of the desert as a root metaphor for deep spiritual experience and place of social, political struggle.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

CATH 3752 Contemplatives in Action: Psychology, Spirituality, Liberation (4 semester hours)

(See THST 3752.)

CATH 3780 World Religions and Ecology (4 semester hours)

(See THST 3780.)

CATH 3998 Special Studies (1-4 semester hours)**CATH 3999 Independent Studies (1-4 semester hours)****CATH 4023 Medieval Theology (4 semester hours)**

(See THST 4023.)

CATH 4031 Christology (4 semester hours)

(See THST 4031.)

CATH 4040 Eucharistic Theology (4 semester hours)

(See THST 4040.)

CATH 4051 Ignatian Spirituality (4 semester hours)

(See THST 4051.)

CATH 4090 Major Theological and Religious Thinker (4 semester hours)

(See THST 4090.)

CATH 4142 Transformation of Medieval Europe (4 semester hours)

(See HIST 4142.)

CATH 4210 Science & Religion (4 semester hours)

A philosophical examination of the relationship(s) between science and religion, with special attention to historical and contemporary developments.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

CATH 4240 Italian Renaissance Art (4 semester hours)

(See ARHS 4240.)

CATH 4250 Northern Italian Renaissance Art (4 semester hours)

(See ARHS 4250.)

CATH 4260 Baroque Art (4 semester hours)

(See ARHS 4260.)

CATH 4350 Archaeology and the Bible (4 semester hours)

Study of selections of the Bible, combining historical criticism and exegesis with the relevant archaeology.

University Core fulfilled: Integrations: Faith and Reason.

CATH 4400 Interreligious Experience and Engagement (4 semester hours)

This seminar focuses on interreligious engagement and experience, exploring the diversity of faith traditions at LMU, in Los Angeles, and throughout the nation and world, by deliberate encounters with the Other. It will challenge students to reflect on fundamental questions of faith and identify within communities. It will examine the theory and practice of interreligious engagement, including: Bilateral (e.g., Catholic-Jewish) and trilateral (e.g., Christian-Jewish-Muslim) seminars and conferences of scholars and clergy; Multi-faith religious celebrations and worship services; Joint social action and social justice programs; Conflict resolution projects; Coalitions based on shared values. The readings, discussions, and site visits will provide theoretical and theological foundations for consideration of pluralism and other inclusive approaches to our interreligious context. Readings and class discussions will educate students about the beliefs, practices, and communities of diverse religious groups. Students will develop leadership strategies to establish, sustain, and advance interreligious engagements.

University Core fulfilled: Flags: Faith and Reason, Engaged Learning.

CATH 4900 Seminar in Catholic Studies (4 semester hours)

The capstone seminar in Catholic Studies explores the relationship between Catholicism and culture organized around a central theme. This interdisciplinary course provides an opportunity for students to synthesize their Catholic Studies courses.

CATH 4998 Special Studies (1-4 semester hours)**CATH 4999 Independent Studies (1-4 semester hours)****CHEM 110 General Chemistry I (3 semester hours)**

Atomic theory; chemical nomenclature; chemical equations and reactions; stoichiometry; properties of gases, solids, and liquids; electronic structure of atoms and periodic properties of the elements; covalent bonding and molecular geometry.

Prerequisite: MATH 120, MATH 122, or MATH 131 or concurrent enrollment or placement into MATH 120 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

CHEM 111 General Chemistry I Lab (1 semester hour)

Basic chemical lab technique, conservation of mass, definite composition, molar masses, gravimetric and titrimetric analyses, redox chemistry.

Prerequisite: CHEM 110, CHEM 114, or concurrent enrollment.

CHEM 112 General Chemistry II (3 semester hours)

Solutions, chemical kinetics, thermodynamics, acids and bases, equilibria, electrochemistry, nuclear reactions, and selected additional topics.

Prerequisite: CHEM 110.

CHEM 113 General Chemistry II Lab (1 semester hour)

Chemical kinetics, equilibrium, complex ions, solubility, visible spectrophotometry, inorganic synthesis, crystallization, inorganic qualitative analysis.

Prerequisites: CHEM 111; 112 or concurrent enrollment.

CHEM 114 General Chemistry for Engineers (3 semester hours)

Atomic theory; stoichiometry; properties of gases, liquids, and solids; electronic structure and periodic table; covalent bonding; kinetics and equilibrium; acid-base, precipitation, and reduction-oxidation reactions; basic thermodynamics.

Engineering majors only.

CHEM 190 World of Chemistry and Biochemistry (1 semester hour)

Introduction to the Chemistry and Biochemistry programs, faculty, staff, and the facilities. Students will have the opportunity to learn about the various research programs in the department. Students will also be introduced to various chemistry and biochemistry careers.

Credit/No Credit only.

CHEM 198 Special Studies (0-3 semester hours)**CHEM 199 Independent Studies (0-3 semester hours)****CHEM 220 Organic Chemistry I (3 semester hours)**

Introduction to the fundamentals of organic chemistry: chemical properties, synthesis and nomenclature of alkanes, alkenes, cycloalkanes, aromatic hydrocarbons, and alkyl halides.

Prerequisites: CHEM 110 and CHEM 112.

University Core fulfilled: Flag: Quantitative Literacy.

CHEM 221 Organic Chemistry I Lab (1 semester hour)

Introduction to the fundamental lab techniques used in organic chemistry.

Prerequisites: CHEM 111, CHEM 113; CHEM 220 or concurrent enrollment.

CHEM 222 Organic Chemistry II (3 semester hours)

Introduction to the chemistry of alcohols, ethers, carbonyl compounds, amines, and carbohydrates.

Prerequisite: CHEM 220.

CHEM 223 Organic Chemistry II Lab (1 semester hour)

Laboratory experience in synthesis and analysis of organic compounds.

Prerequisites: CHEM 221; 222 or concurrent enrollment.

CHEM 225 Organic Chemistry II Lab for Molecular Sciences (1 semester hour)

Organic Chemistry Laboratory for students interested in the molecular sciences, including biochemistry, chemistry, molecular biology, chemical physics, and chemical engineering. Laboratory experience in multistep synthesis of compounds as well as opportunity for participation in course-based original research projects. Additional emphasis on techniques for determining molecular structure and quantitative sample purity: nuclear magnetic resonance, mass spectrometry, gas and liquid chromatography, as well as uses of standard compounds. Skills in experimental design and troubleshooting as well as laboratory independence will be cultivated.

Prerequisites: CHEM 221; CHEM 222 or concurrent enrollment.

CHEM 250 Earth System Science (3 semester hours)

An introductory exploration of how the Earth works. Focus is placed on connecting the Earth systems - the solid Earth, atmosphere, oceans, and biosphere - through the cycling of chemical elements and energy. The course will also discuss significant anthropogenic impacts to the natural Earth system.

Prerequisites: CHEM 110 and 112.

CHEM 270 Frontiers of Science (3 semester hours)

Study of the methods of inquiry used across the disciplines in science. Development of scientific literacy through discussion of important public issues such as energy, medicine, the environment, and climate change.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

CHEM 272 Biotechnology in the News (3 semester hours)

Study of the methods of inquiry used across the disciplines of chemistry and biochemistry in science. Development of scientific literacy through discussion of important public issues within biotechnology.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

CHEM 290 Chemistry Seminar (1 semester hour)

Regular attendance by second-year students at the Departmental Seminar Program.

May be taken twice.
Credit/No Credit only.

CHEM 298 Special Studies (1-3 semester hours)**CHEM 299 Independent Studies (1-3 semester hours)****CHEM 330 Inorganic Chemistry (3 semester hours)**

Introduction to the chemistry of the transition elements. Structure, stereochemistry, and bonding in transition metal complexes. Applied thermodynamics, oxidation-reduction, and descriptive chemistry of the main group elements. Nuclear reactions and the actinide elements.

Prerequisite: CHEM 222.

CHEM 331 Inorganic Chemistry Lab (1 semester hour)

The synthesis of transition metal complexes and characterization by intra-red, UV-Visible, and NMR spectroscopy. Optical activity and the resolution of a racemic mixture. Organometallic compounds and clusters of the p-block elements. Reactions in non-aqueous solvents and under an inert atmosphere.

Prerequisites: CHEM 222, CHEM 223 OR CHEM 225, CHEM 330 or concurrent enrollment.

CHEM 340 Physical Chemistry I (3 semester hours)

The objective of this course is to introduce the student to the principles of physical chemistry, both to satisfy a requirement of the major and to serve as preparation to enrollment in subsequent in-depth courses in selective topics in physical chemistry. Topics include: properties of gases, chemical thermodynamics, chemical equilibria, colligative properties, electrochemistry, chemical kinetics and reaction mechanisms.

Prerequisites: CHEM 220 or permission of instructor, MATH 123 or MATH 132, PHYS 2100 or PHYS 2550 or concurrent enrollment.
University Core fulfilled: Flag: Quantitative Literacy.

CHEM 341 Physical Chemistry Lab (1 semester hour)

Physical measurements, calorimetry, physical equilibria, phase behavior, chemical equilibria, kinetics, colligative properties and electrochemistry.

Prerequisite: CHEM 340 or concurrent enrollment.
University Core fulfilled: Flags: Quantitative Literacy, Writing.

CHEM 342 Physical Chemistry II (3 semester hours)

Chemical kinetics, quantum mechanics, atomic and molecular spectroscopy, statistical mechanics.

Prerequisites: CHEM 220 or permission of instructor, MATH 123 or MATH 132, PHYS 2100 or PHYS 2550.

CHEM 346 Physical Biochemistry (3 semester hours)

Chemical and enzyme kinetics, solutions of macromolecules, chemical equilibria, transport processes, sedimentation, transport in electric fields, physical methods in biochemistry, scattering, molecular modeling.

Prerequisites: CHEM 340 and 341.
Corequisite: CHEM 347.

CHEM 347 Physical Biochemistry Lab (1 semester hour)

Kinetics, colligative properties, macromolecular solution properties, atomic and molecular spectroscopy as applied to biochemical systems.

Prerequisites: CHEM 340 and 341.
Corequisite: CHEM 346.

CHEM 350 Earth System Science (3 semester hours)

An in-depth exploration of how the Earth works. Focus is placed on the complex interactions between the Earth systems – the solid Earth, atmosphere, oceans, and biosphere – through the cycling of chemical elements and energy. The course will also discuss significant anthropogenic impacts to the natural Earth system.

Prerequisites: CHEM 110 and CHEM 112

CHEM 356 Sustainable Practices (3 semester hours)

Discussion of the history of water and energy use in society; analysis of pollution resulting from use of non-renewable energy sources and recent advances in production of renewable and sustainable energy practices; and pollution of water with sustainable practices to provide clean freshwater and appropriate wastewater management.

Prerequisite: CHEM 112 or ENVS 101 or permission of instructor.

CHEM 357 Environmental Chemistry: Atmosphere and Climate (3 semester hours)

A study of chemical processes in the environmental. Topics include stratospheric ozone depletion, the greenhouse effect, climate change, air pollution, and non-renewable sources of energy.

Prerequisites: CHEM 110 and CHEM 112.

CHEM 358 Environmental Chemistry: Water, Soil, and Sediment (3 semester hours)

A study of chemical processes in the environment. Topics include renewable sources of energy, water chemistry, water purification, sewage treatment, pesticides, solid waste, soils and sediments.

Prerequisites: CHEM 110 and CHEM 112.

CHEM 359 Environmental Chemistry Laboratory (1 semester hour)

Analysis to determine pollutants found in air, water, soil systems; emphasis on the use of instrumental methods and techniques.

Prerequisite: CHEM 357 or CHEM 358 or concurrent enrollment.

CHEM 360 Analytical Chemistry and Lab (4 semester hours)

Theory of chemical analyses, statistical analyses in chemistry, and an introduction to spectroscopy. Lab includes quantitative analyses by gravimetric, titrimetric, and spectroscopic methods.

Prerequisites: CHEM 112 and CHEM 113.
University Core fulfilled: Flag: Quantitative Literacy.

CHEM 370 Biochemistry (3 semester hours)

Macromolecular structure and function, enzymology, bioenergetics and kinetics, biotechnology, major metabolic pathways.

Prerequisites: CHEM 222.
University Core fulfilled: Integrations: Interdisciplinary Connections.

CHEM 371 Biochemistry Lab (1 semester hour)

Techniques of protein purification, enzyme assay, and kinetics.

Prerequisite: CHEM 223 or CHEM 225, CHEM 370 or concurrent enrollment.
University Core fulfilled: Flags: Engaged Learning, Writing.

CHEM 372 Advanced Biochemistry (3 semester hours)

Metabolic regulation; macromolecular structure, function and synthesis membrane transport; DNA and RNA metabolism and control; biochemistry of vitamins and other nutrients; protein biosynthesis.

Prerequisite: CHEM 370.

CHEM 373 Advanced Biochemistry Lab (1 semester hour)

Techniques in lipid and carbohydrate analysis; enzyme regulation; enzymes as diagnostic tools, restriction enzymes.

Prerequisites: CHEM 370 and CHEM 371.

CHEM 380 Forensic Chemistry (3 semester hours)

An introduction to the forensic sciences with an emphasis on chemistry. This course gives students an appreciation for the activities of a real forensic laboratory. Topics covered include basic analytical techniques, arson investigation, and fingerprint, drug, blood, and DNA analyses.

Prerequisites: CHEM 222, CHEM 360 or permission of instructor.

CHEM 382 Wine Chemistry (3 semester hours)

Addresses the major chemical topics associated with wine production, chemical analysis of wine and wine faults. Provides an overview of wine-making and the wine industry through a combination of lecture, lab and field trips.

Prerequisite: CHEM 222. Minimum age of 21 or permission of instructor. Minimum age of 21 required for full participation.

CHEM 390 Chemistry Seminar (1 semester hour)

Regular attendance at Departmental Seminar Program.

Credit/No Credit only.

CHEM 391 Chemistry Seminar (1 semester hour)

Regular attendance at Departmental Seminar Program and presentation of a seminar.

CHEM 392 Developments in Sustainable Technology (3 semester hours)

Explores the latest applications and developments in sustainable and clean technologies in various sectors including in energy, agriculture, transportation, housing, water, food, and consumer goods. Reviews the science and economics of the leading technology solutions such as solar energy, fuel cell and energy storage as well as the developments in the underlying sciences in material science, chemistry, agricultural sciences, and microbiology among others. Examines the recent investments in sustainable solutions to identify future technological and business trends and opportunities.

Frank R. Seaver College of Science and Engineering juniors and seniors only.

CHEM 393 Chemistry/Biochemistry Internship (1-3 semester hours)

Research/Development work conducted in a professional chemical setting in a local government or industrial laboratory. Work includes both theory and laboratory practice on a project designed cooperatively by the laboratory's supervisory staff and LMU faculty. The project is jointly supervised by on-site staff and LMU faculty.

May be repeated for credit up to 6 semester hours.

Credit/No Credit grading only.

CHEM 397 Directed Research (0-3 semester hours)

May be repeated for credit up to 6 semester hours.

Permission of instructor required.

CHEM 398 Special Studies (0-3 semester hours)**CHEM 399 Independent Studies (0-3 semester hours)**

CHEM 420 Advanced Organic Chemistry (3 semester hours)

Modern synthetic reactions, mechanisms and study of organic synthesis.

Prerequisites: CHEM 220 and 222.

CHEM 421 Advanced Organic Chemistry Lab (1 semester hour)

Laboratory techniques for multi-step synthesis and spectroscopic analysis of organic compounds.

Prerequisites: CHEM 222; CHEM 223 or CHEM 225.

University Core fulfilled: Flag: Writing.

CHEM 422 Physical Organic Chemistry (3 semester hours)

In-depth study of organic, organometallic, and biochemical reaction mechanisms and how these mechanisms are investigated experimentally. Emphasis on application of structural, thermodynamic, and kinetic concepts to understand and predict chemical phenomena.

Prerequisite: CHEM 222.

CHEM 430 Advanced Inorganic Chemistry (3 semester hours)

Ligand field theory and spectral properties of transition metal complexes. Acid-base concepts and non-aqueous ionizing solvents. Molecular orbital theory applied to p-block clusters. Metallic bonding and chemistry of the solid state.

Prerequisites: CHEM 330.

CHEM 434 Bioinorganic Chemistry (3 semester hours)

The study of the function and structure of metal ions in biology: the properties and spectroscopy of metal ions; metalloproteins; the interaction between metal ions and DNA or RNA; introduction of metal ions into biological systems as probes and as drugs.

Prerequisite: CHEM 370 or permission of instructor.

CHEM 460 Instrumental Analysis and Lab (4 semester hours)

Theory and practice of analytical methods including infrared spectroscopy, atomic spectroscopy, nuclear magnetic resonance spectroscopy, mass spectrometry, and gas and liquid chromatography.

Prerequisite: CHEM 360.

University Core fulfilled: Flag: Writing.

CHEM 474 Food Chemistry (3 semester hours)

The chemistry involved in food preparation and development. Examples include flavorings, food additives, what happens when it is cooked, then eaten; nutritional aspects of foods, food supplements, preservation, food fads.

Prerequisite: CHEM 222.

CHEM 476 Advanced Topics in Biochemistry and Biotechnology (3 semester hours)

Recent advances in biochemistry and biotechnology are discussed and analyzed. Typical topics discussed include protein phage display, genome sequencing technologies, gene synthesis and mutagenesis, protein design and engineering. Students will also read and discuss recent publications from leaders in the fields of biochemistry and biotechnology.

Prerequisite: CHEM 370.

CHEM 478 Introduction to Virology (3 semester hours)

The foundational principles of biochemistry will be used to explore the structures and functions of viruses. Topics discussed will include recent scientific discoveries in virology. In addition to gaining content knowledge in virology, students will develop their scientific communication and information literacy skills.

Prerequisite: CHEM 370, BIOL 2010 or permission of instructor.

CHEM 480 Medicinal Chemistry (3 semester hours)

Chemical principles involved in design and formulation of drugs; their absorption, distribution, and elimination; and their interaction at possible active sites. Mechanism of action of specific groups of drugs are discussed.

Prerequisites: CHEM 370 or permission of instructor.

CHEM 482 Toxicology (3 semester hours)

An introduction to the principles of toxicology, emphasizing cellular mechanisms, e.g., cell signaling, mutagenesis, and/or carcinogenesis. Topics will also include dose-response, toxicokinetics, risk assessment, effects of toxicants on the environment, and approaches that can decrease the amounts of toxicants in the environment.

Prerequisite: CHEM 370 or permission of instructor.

CHEM 490 Chemistry Seminar (1 semester hour)

Regular attendance at Departmental Seminar Program.

Credit/No Credit only.

CHEM 491 Chemistry Seminar (1 semester hour)

Regular attendance at Departmental Seminar Program and presentation of a seminar.

CHEM 493 Chemistry/Biochemistry Internship (1-3 semester hours)

Research/Development work conducted in a professional chemical setting in a local government or industrial laboratory. Work includes both theory and laboratory practice on a project designed cooperatively by the laboratory's supervisory staff and LMU faculty. The project is jointly supervised by on-site staff and LMU faculty.

A written report is required.

May be repeated for credit up to 6 semester hours.

CHEM 495 Chemistry Teaching (0-1 semester hours)

Guided teaching of the undergraduate laboratories.

May be repeated for credit up to 8 semester hours.

Credit/No Credit only.

Permission of Department Chairperson required.

CHEM 497 Directed Research (1-3 semester hours)

A written report is required.

May be repeated for credit up to 6 semester hours.
Permission of instructor required.

CHEM 498 Special Studies (1-3 semester hours)**CHEM 499 Independent Studies (0-4 semester hours)**

May be repeated for credit up to 6 Semester Hours.

CHEM 560 Introduction to Modern Spectroscopy (3 semester hours)

Theory, instrumentation principles, methods for data collection, results interpretation, and contemporary applications of modern spectroscopic methods including Gas Chromatography-Mass Spectrometry (GC-MS), Liquid Chromatography-Mass Spectrometry (LC-MS), Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), and Nuclear Magnetic Resonance Spectroscopy (NMR). The course will include hands-on use of instrumentation in the laboratory setting.

Prerequisite: CHEM 360 or permission of instructor.

CHEM 598 Special Studies (1-3 semester hours)**CHIN 1101 Chinese 1 (4 semester hours)**

This course is designed for students with little to no prior experience in Mandarin Chinese and is the first of a series of Chinese language and culture courses. Students develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency from the Novice-Low to the Novice-Mid level.

Prerequisite: LMU Placement Exam.

This course requires a weekly 30-minute drill session.

CHIN 1102 Chinese 2 (4 semester hours)

This course is a continuation of CHIN 1101 and is the second of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Novice-High level.

Prerequisite: CHIN 1101 or by LMU Placement Exam.
This course requires a weekly 30-minute drill session.

CHIN 1998 Special Studies (1-4 semester hours)**CHIN 1999 Independent Studies (1-4 semester hours)****CHIN 2103 Chinese 3 (4 semester hours)**

This course is a continuation of CHIN 1102 and is the third of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Novice-High-to-Intermediate-Low level.

Prerequisite: CHIN 1102 or by LMU Placement Exam.
This course requires a weekly 30-minute drill session.

CHIN 2104 Chinese 4 (4 semester hours)

This course is a continuation of CHIN 2103 and is the fourth of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Intermediate-Low level.

Prerequisite: CHIN 2103 or by LMU Placement Exam.

This course requires a weekly 30-minute drill session.

CHIN 2998 Special Studies (1-4 semester hours)**CHIN 2999 Independent Studies (1-4 semester hours)****CHIN 3105 Chinese 5 (4 semester hours)**

This course is a continuation of CHIN 2104 and is the fifth of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Intermediate-Low-to-Intermediate-Mid level.

Prerequisite: CHIN 2104 or by LMU Placement Exam.

This course requires a weekly 30-minute drill session.

CHIN 3106 Chinese 6 (4 semester hours)

This course is a continuation of CHIN 3105 and is the sixth of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Intermediate-Mid level.

Prerequisite: CHIN 3105 or LMU Placement Exam.

This course requires a weekly 30-minute drill session.

CHIN 3705 Business Chinese (4 semester hours)

This course prepares students for the business world in contemporary China by developing their linguistic and cultural proficiency in a business context. Building upon the students' elementary communication skills in Chinese, it focuses on contemporary usage of business Chinese in speaking and writing, Chinese business culture and customs, and preparation for working and living in China. It adopts a task-based approach and engages students in using Chinese in simulated business-related activities. This course fulfills the Chinese minor requirement as an upper-division elective.

Prerequisite: CHIN 2104 or LMU Placement Exam.

CHIN 3998 Special Studies (1-4 semester hours)**CHIN 3999 Independent Studies (1-4 semester hours)****CHIN 4107 Chinese 7 (4 semester hours)**

This course is a continuation of CHIN 3106 and is the eighth of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Intermediate-Mid-to-Intermediate-High level. This course requires a weekly 30-minute drill session.

Prerequisite: CHIN 3106 or LMU Placement Exam.

CHIN 4108 Chinese 8 (4 semester hours)

This course is a continuation of CHIN 4107 and is the eighth of a series of Chinese language and culture courses. Students continue to develop communicative skills (listening, speaking, reading, and writing) and cross-cultural competency towards the Intermediate-High level.

Prerequisite: CHIN 4107 or LMU Placement Exam.

This course requires a weekly 30-minute drill session.

CHIN 4208 Selected Topics in Contemporary Chinese Society (4 semester hours)

This course develops students' knowledge and perspectives about contemporary Chinese society. Students will be exposed to different aspects of Chinese culture and their relationship with the Chinese language in the process of China's social and cultural transformation. This class will be taught in both Chinese and English.

Prerequisite: CHIN 3105 or LMU Placement Exam for Chinese minors. No prerequisites for students who have not declared the Chinese minor.

This course is repeatable for credit when content varies.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

CHIN 4212 Chinese Calligraphy (4 semester hours)

This course offers an interdisciplinary study and practicum of Chinese calligraphy in its artistic, historical, and sociocultural contexts.

Systematic hands-on practice of brush writing is integrated with the reading and discussion of texts in both English and Chinese.

Prerequisite: CHIN 3105 or LMU Placement Exam for Chinese minors.

No prerequisites for students who have not declared the Chinese minor.

University Core fulfilled: Explorations: Creative Experience.

CHIN 4218 Global China (4 semester hours)

This course engages students in inquiries into the ever-evolving concept of "Chineseness" in historical and global-local contexts. Students study a broad range of topics to develop intercultural curiosity and competence, critical thinking skills, and global-local perspectives about China and the world: Chinese languages, cultures, and philosophy, China and Europe (13th-20th centuries), China and the Americas (19th- 21st centuries), and Chinese diaspora cultures in the globalized world (11th-21st centuries).

Prerequisite: CHIN 3105 or LMU Placement Exam for Chinese minors.

No prerequisites for students who have not declared the Chinese minor.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

CHIN 4309 Modern China through Film (4 semester hours)

In this course, students watch selected movies produced within the last thirty years by filmmakers from Mainland China, Taiwan, and Hong Kong, examining their thematic richness and cultural significance. This course will help students acquire language skills that allow them to formulate culturally informed and formally attentive interpretations of modern Chinese texts. Through close reading exercises and discussions, students will also gain a deeper understanding of modern Chinese culture and society.

Prerequisite: CHIN 3106 or LMU Placement Exam.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CHIN 4402 The Chinese Writing System (4 semester hours)

This course explores the Chinese script from a range of disciplinary perspectives, including linguistics, literacy, technology, gender, ethnicity, literature, and visual art. It also examines the diverse contexts in which Chinese characters have been used to represent and shape cultural identities at both the personal and the social levels in and beyond Asia.

Prerequisite: CHIN 3105 or LMU Placement Exam for Chinese minors.

No prerequisites for students who have not declared the Chinese minor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CHIN 4510 Modern Chinese Literature and Culture (4 semester hours)

This course introduces students to key topics in modern Chinese literature and culture. We will examine the ways in which these literary and cultural texts engage modern Chinese experience. This course will help students acquire language skills that allow them to formulate culturally informed and formally attentive interpretations of modern Chinese texts. Through close reading exercises and discussions, this course aims for students to gain a deeper understanding of modern Chinese culture and society.

Prerequisite: CHIN 3106 or LMU Placement Exam.

University Core fulfilled: Integrations: Interdisciplinary Connect.

CHIN 4807 Advanced Reading in Chinese (4 semester hours)

In this theme-based course, students will develop integrated skills in reading, writing, speaking, and listening. While an integrated approach to teach all language skills is adopted, it is on reading and building reading skills that this course places its special focus. Students will study texts of various genres (e.g., narrative, expository, and news features) and be exposed to topics such as the Chinese population, housing, education, jobs, and love and marriage.

Prerequisite: CHIN 3106 or LMU Placement Exam.

CHIN 4998 Special Studies (1-4 semester hours)**CHIN 4999 Independent Studies (1-4 semester hours)****CIVL 395 Engineering Economics and Decision Theory (3 semester hours)**

The economic evaluation of engineering alternatives. Topics include: time value of money relationships, nominal and effective interest rates, present worth method, annual worth method, rate of return and incremental analysis, depreciation and income taxes, replacement analysis and benefit/cost analysis.

Lecture, 3 hours.

University Core fulfilled: Explorations: Understanding Human Behavior (Civil Engineering majors only).

Prerequisite: MATH 132. Junior standing in Civil Engineering.

CIVL 398 Special Studies (0-4 semester hours)

CIVL 490 Civil & Environ Engineering Seminar (1 semester hour)

Presentations emphasizing the applications of civil and environmental engineering topics in professional practice and research; civil engineering employment opportunities; student group meetings and gatherings; and interaction with members of the LMU Civil Engineering and Environmental Science Council for Industry Partnerships.

Credit/No Credit only.

CIVL 498 Special Studies (0-4 semester hours)**CIVL 499 Independent Studies (1-4 semester hours)****CIVL 504 Applied Fluid Mechanics (3 semester hours)**

Fundamentals of fluid mechanics, and review of the underlying mathematical principles, viscosity, fluid statics, conservation of mass, energy equation, momentum principle, fluid flow in pipes, hydraulic machinery.

Open to science majors interested in a master's degree in environmental science.

Permission of instructor required.

CIVL 505 Aquatic Chemistry (3 semester hours)

Review of stoichiometry, oxidation-reduction reactions, thermodynamics, and chemical kinetics. Equilibrium chemistry concepts including acid-base, gas, and solid-liquid equilibria applied to aquatic systems with an emphasis on problem-solving methods to determine chemical speciation and pH effects in natural and treated aquatic systems.

Prerequisite: CHEM 110 or CHEM 114.

CIVL 508 Contaminant Fate, Transport & Remediation (3 semester hours)

Introduction to physical, chemical, and biological processes governing the movement and fate of contaminants in the surface and coastal water environment. Practical quantitative problems solved based on contaminant mass transport, equilibrium partitioning, and chemical transformations in the environment. Regulatory implications and remediation approaches.

Prerequisite: CIVL 3200 or ENVS 358.

CIVL 510 Open Channel Hydraulics (3 semester hours)

Study of steady uniform and non-uniform flow in open channels; design of channels, transitions, confluences, culverts, and other hydraulic structures.

Prerequisite: CIVL 3100.

CIVL 511 Hydraulic Analysis and Design (3 semester hours)

Design and analysis of hydraulic structures and pump stations; rainfall-runoff models; determination of reservoir storage; unsteady flow and water hammer; flood routing techniques; sediment transport.

Prerequisite: CIVL 3100 or 504.

CIVL 512 Air Pollution Analysis (3 semester hours)

Detailed analysis of emission sources, emission calculation methods, and air pollution controls. The dispersion of air pollutants in the atmosphere (fates and lifetimes, dispersion modeling methods). In-depth techniques of conducting risk assessments due to exposure to air pollutants.

CIVL 515 Industrial Waste Management (3 semester hours)

Principles and methods of treatment and disposal of industrial wastes that may adversely affect the environment, including general characterization of wastes from industries of major significance and typical treatment processes involved. Regulatory constraints.

Prerequisites: CIVL 517.

CIVL 517 Water Treatment Processes (3 semester hours)

Theory and practice of the physical and chemical treatment processes to treat water and wastewater including reactor performance, screening sedimentation, membrane and media filtration, adsorption, ion exchange, disinfection. Theory and practice of biological treatment of wastewater including activated sludge, attached growth systems, oxygen transfer, secondary clarification, nutrient removal, residuals stabilization and dewatering, natural treatment systems.

Prerequisites: CIVL 3100 and CIVL 3200.

CIVL 518 Water Reuse and Desalination (3 semester hours)

Wastewater reuse and desalination are key components of future water supply systems. This course covers processes used for water reuse and membrane treatment systems. The objectives include understanding: 1) the rapidly expanding wastewater reuse market; 2) advanced treatment processes required for reuse; and 3) the roles and characteristics of membrane systems for treatment of water and wastewater along with desalination for seawater and brackish water. Existing reuse and membrane treatment systems are studied to understand how individual processes are integrated to meet the water quality objectives and treatment requirements for different applications.

Prerequisite: CIVL 3200.

CIVL 519 Advanced Integrated Water Treatment Systems (3 semester hours)

Integrated design of water and wastewater treatment facilities from site and process selection, site layout, hydraulics, flow and material balances, pumping, odor control, and chemical feed systems. Includes the design of additional processes such as ozonation, air stripper, ion exchange, adsorption, nutrient removal, etc.

Prerequisite: CIVL 517.

CIVL 520 Computers and Environmental Analysis (3 semester hours)

Applications of digital simulations in the analysis of problems in the environment, water quality modeling, numerical methods, statistical analysis, and use of a large scale application program.

Prerequisite: MATH 131 or MATH 112 or MATH 122.

CIVL 526 Surface Water Hydrology (3 semester hours)

Study of the elements of the hydrologic cycle, rainfall, streamflow, infiltration, evapotranspiration, snowmelt, hydrographs, probability, river and reservoir routing, runoff determination using the rational method and hydrograph methods.

Prerequisite: MATH 112 or MATH 122 or MATH 131.

CIVL 527 Urban Water Systems and Stormwater Management (3 semester hours)

Overview of the theory and practical applied hydraulic design in an urban setting. Topics include potable water conveyance facilities with pump stations and reservoirs; storm water conveyance systems including pipe, street gutter, storm drains, and culverts. Emphasis is placed on the design Low Impact Development (LID) bioretention, and other facilities for regulatory compliance and sustainability, as well as on the application of modeling software used in practice.

Prerequisite: CIVL 3100.

CIVL 528 Groundwater Hydrology and Sustainable Management (3 semester hours)

Groundwater in California and other regions of the world is a critical component of our water supply portfolio, and proper management requires a judicious balance between municipal, agricultural, and environmental interests. In this course, students will learn about 1) the theory of groundwater occurrence and movement; 2) the engineering involved in groundwater extraction, replenishment, and protection; and 3) sustainable basin management strategies and optimization techniques. Specific course topics include theory of the movement and occurrence of water in a porous medium, Darcy's law, steady and unsteady flow in confined and unconfined aquifers, hydraulics of groundwater wells, municipal water well design, use of professional groundwater modeling software, optimization techniques to sustainably manage groundwater basin pumping, safe yield operation, artificial recharge, conjunctive use of groundwater and surface water supplies, seawater intrusion prevention, and sustainable basin management strategies and agreements.

Prerequisite: CIVL 3150 and CIVL 3410.

CIVL 529 Groundwater Contaminant Transport and Remediation (3 semester hours)

Processes affecting the transport and fate of inorganic and organic contaminants in groundwater. Emphasis is placed on processes involving phase equilibrium, mass transfer, dissolution, etc. Review of flow and contaminant transport models, remediation technologies, and practical/regulatory considerations.

Prerequisite: CIVL 528.

CIVL 530 Design of Concrete Structures (3 semester hours)

Theory and design of reinforced concrete columns, beams, retaining walls, footings, and slabs. Application to design projects.

Prerequisites: CIVL 3350.

CIVL 532 Structural Steel Design (3 semester hours)

Fundamentals of load and resistance factor design of steel components, connections, and systems. Component designs include beams, composite beams, beam columns, tension and compression members, and simple connections. Introduction to computational modeling.

Prerequisite: CIVL 3350.

CIVL 533 Design of Wood Structures (3 semester hours)

The course addresses properties and behavior of wood products, design criteria using structural timber, glue laminated lumber, and panels, LRFD design of bending and compression members, frames, diaphragms, shear panels, and connection details, and use of resources such as building codes and the National Design Specifications.

Prerequisite: CIVL 3350.

CIVL 536 Nonlinear Structural Analysis (3 semester hours)

This course will cover nonlinear response and behavior of new and retrofitted buildings to earthquake ground motions. The course will be taught with lectures and projects (Perform 3D), using both prescriptive and performance-based design methodologies. Topics include nonlinear static and dynamic analysis, response spectra, component and system behavior, damping, latest research references for computational modeling.

Corequisite: CIVL 3350.

CIVL 537 Building Information Modeling (3 semester hours)

This course focuses on the knowledge and skills required to create and utilize a Building Information Model (BIM) for construction building projects. This is a project-based course where students apply BIM concepts to real-life projects from the planning and design stages to the construction phase. The course also introduces the use of BIM for clash detection as well as for cost estimating and scheduling purposes.

Junior standing or above required.

CIVL 538 Construction Management and Sustainability (3 semester hours)

Course provides students with an introduction to construction management and sustainable building practices and rating systems including CALGreen and Leadership in Energy and Environmental Design (LEED).

Juniors and seniors only.

CIVL 539 Design of Masonry Structures (3 semester hours)

Analysis and design of masonry structures including the analysis and design of reinforced masonry beams, walls, columns and lateral design considerations.

Corequisites: CIVL 3350.

CIVL 542 Design of Foundations and Earth Structures (3 semester hours)

Design methods for foundations and earth structures. Design of footings and piles including stability and settlement, slopes, and retaining structures.

Prerequisite: CIVL 3410.

CIVL 546 Geotechnical Earthquake Engineering (3 semester hours)

Introduction to engineering seismology and earthquake ground motions. Evaluation of dynamic soil properties, seismic site response analysis, soil liquefaction evaluation and mitigation, seismic slope stability, and seismic evaluation of dams and embankments.

Prerequisite: CIVL 3410.

CIVL 547 Dams and Levees (3 semester hours)

Evaluation of geotechnical, hydrology, and hydraulic components for the design and evaluation of dam and levee structures. Consideration of unconfined groundwater flow, filter design, embankment stability, open channels, and other related topics.

Prerequisites: CIVL 3150 and CIVL 3410.

CIVL 550 Fundamentals of Environmental Risk Management (2 semester hours)

The fundamental technical aspects and non-technical policy aspects of environmental health risk assessments. Basics of environmental chemistry partitioning fate and transport of pollutants in the atmosphere and water; human exposure scenarios, fundamentals of toxicology and epidemiology.

CIVL 551 Remote Sensing with Civil Engineering and Environmental Science Applications (3 semester hours)

The course introduces the fundamental concepts of remote sensing from space, remote sensing data, and image data processing. Topics include characteristics of electromagnetic spectrum and remote sensing devices, digital processing methods for interpreting, manipulating and analyzing remotely-sensed image data, and applications of satellite remote sensing to civil engineering and environmental fields.

Prerequisite: MATH 112 or MATH 122 or MATH 131.

CIVL 553 Modeling Environmental and Water Resources Systems (3 semester hours)

This course provides an introduction to mathematical modeling techniques used to solve and interpret a variety of environmental and water resources engineering problems. Topics include numerical solution of ordinary and partial differential equations, optimization, and statistical analysis of model results.

Prerequisite: CIVL 3100.

CIVL 555 Computational Fluid Dynamics (3 semester hours)

In-depth study of applied computational methods for solving problems involving fluid and heat transport. Course will include both commercially available codes as well as self-generated solving routines. Topics include: numerical solutions to PDEs, steady flow solutions, unsteady flow solutions, flows involving heat transfer.

Prerequisite: CIVL 3100.

Senior or graduate standing required.

Majors only.

CIVL 557 Finite Element Methods (3 semester hours)

Introduction to the theory and application of finite element methods. Review of the fundamentals of analytical models, elasticity, and structural mechanics. Review of matrix theory and calculation of variations. General process for the development of a finite element solution. Derivations of basic elements, including those for trusses, plane stress and plane strain, beams, plates, and solids. Discussion of the issues of conformity and completeness. Higher order interpolation functions and isoparametric elements. Solutions and applications to problems in structural mechanics, heat transfer, structural dynamics, and elastic stability. Practical examples.

Prerequisites: CIVL 3350.

CIVL 571 Air Quality, Control, and Management (3 semester hours)

Air pollution effects, and principal regulations, including greenhouse gases and environmental justice, emission standards, criteria and toxic pollutants, atmospheric stability, mixing, and inversions, and smog formation; detailed analysis of emission sources, emission calculation methods, air pollutant dispersion modeling, and equipment and processes to control criteria and toxic pollutants. Indoor air pollutants and radon are included.

Prerequisite: MATH 112 or MATH 122 or MATH 131.

CIVL 572 Sustainable Waste Management (3 semester hours)

Overview of the regulatory constraints associated with waste management. Application of current technology in municipal solid waste collection, handling, resource recovery, and safe disposal of residuals including landfill design, operation, gas mitigation, and closure. General characterization of principal industrial wastes, typical treatment processes used for recycling, waste reduction, and safe disposal of residuals. Hazardous waste characterization and minimization, storage, treatment, and residuals disposal; overview of site assessment and remediation strategies.

Prerequisite: MATH 112 or MATH 122 or MATH 131.

CIVL 573 Economics of Water and the Environment (3 semester hours)

Local, regional, and international economics are a fundamental component of water resources and environmental systems and associated management and decision making. This course covers topics on the debt-monetary system; debt financing for environmental projects; bond market; discount rate; and cash flow equivalence and benefit-cost analysis for project alternatives, including net present value, internal rate of return and unit cost. Students incorporate cost and interest rate uncertainty in project valuation studies as well as perform cost effective analysis using linear programming and other tools. Case studies include water treatment facilities, water transfers, and other environmentally focused projects.

Prerequisites: MATH 131 or MATH 112 or MATH 122.

CIVL 574 Sustainable Engineering (3 semester hours)

Introduction to the role of engineers in sustainability with focus on the modern engineer's role on design. Topics include environmental impacts, economics, climate change, stormwater management, recycled water and desalination, waste management, renewable energy, sustainable building and infrastructure, life cycle assessment, and green rating systems for engineering.

Prerequisite: MATH 112 or MATH 122 or MATH 131.

CIVL 575 Renewable Energy Systems (3 semester hours)

A detailed study of alternative energy technologies including: solar thermal, solar photovoltaic, wind, fuel cells, and geothermal systems will be covered. In-depth analysis of the technical aspects of these systems will be covered while considering economic and environmental constraints. Energy storage and grid integration will also be considered.

Senior or graduate standing required.
Majors only.

CIVL 576 Project Management (3 semester hours)

This course will integrate project management theory with practical approaches to establish a fundamental knowledge base for use in today's contemporary dynamic business environment. Project management will be explored from planning and selection through all aspects of the project life cycle. Practical techniques will be developed to organize and control non-routine activities in order to properly manage schedule, quality, budget, and performance objectives. The course will concentrate on project management areas identified as core knowledge areas by the Project Management Institute (PMI). The areas include the management of: Project Integration, Scope containment, Time, Cost, Quality, Human Resources, Procurement, and Risk.

Senior or Graduate Standing Required.
Majors Only.

CIVL 577 Transportation Engineering (3 semester hours)

This class introduces basic concepts involved in the broad and important field of transportation engineering. It focuses on passenger transportation, specifically highways and urban public transit. It addresses the characteristics of included modes, basic design of their guideways and stations, selection of appropriate street designs or modes for given applications, conducting trip generation and parking generation studies, and performing demand/capacity analyses. The history of urban transportation, transportation financing, traffic engineering, and transit operations planning is also covered. By the end of the course, students will have a strong basis for continuing their studies in the field and/or will simply be better informed on transportation issues as they inevitably arise in life.

Juniors and seniors only.

CIVL 578 Research in Civil Engineering & Environmental Science (3 semester hours)

This course is designed to provide undergraduates and graduate students with research opportunities and better prepare undergraduates for advanced degrees. Students perform research in accordance with the scientific methodology in areas civil engineering, environmental engineering, and/or environmental science under the supervision of a research advisor who may or may not be the primary course instructor. The precise research topic is selected together by each student and/or advisor. Topics include the research process; hypothesis formulation and testing; modern scientific research; relevant research topics; analysis of scientific articles; data interpretation; critical assessment of public opinion versus scientific evidence; and article, report, and presentation preparation.

Permission of instructor required.

CIVL 591 FE/EIT Environmental Preparation (1 semester hour)

The Fundamentals of Engineering exam and Engineer-in-Training is the first step in becoming a licensed Professional Environmental Engineer. This course provides preparation for the National /Council of Examiners for Engineering and Surveying (NCEES) discipline-specific Environmental FE exam with emphasis on water distribution, wastewater collection, treatment, health risk, noise, air quality, fate and transport, and landfills. The FE reference handbook is used in the solution of practice problems.

Credit/No Credit only.

CIVL 592 FE/EIT Other Disciplines (General) Preparation (1 semester hour)

The Fundamentals of Engineering exam and Engineer-in-Training is the first step in becoming a licensed Professional Engineer. This course provides preparation for the National Council of Examiners for Engineering and Surveying (NCEES) general non-discipline specific (other disciplines) FE exam.

Credit/No Credit only.

CIVL 598 Special Studies (1-4 semester hours)**CIVL 599 Independent Studies (1-4 semester hours)**

CIVL 600 Comprehensive Exam (0 semester hours)

Students must register for this class but only after they have completed all of their course requirements (30 semester hours) or will have completed all of their course requirements at the end of the semester in which they plan to take the comprehensive examination.

CIVL 601 Sustainable Water Quality and Resources (3 semester hours)

This course introduces fundamental water quality and resources topics in the context of sustainability. Topics include introductions to aquatic interactions and fates of pollutants in natural environments; watershed protection and stormwater management for surface and groundwater supplies; sustainable management of groundwater supplies; recycled water production and uses; water quality; and water and wastewater treatment systems.

CIVL 605 Aquatic Chemistry (3 semester hours)

Review of stoichiometry, oxidation-reduction reactions, thermodynamics, and chemical kinetics. Equilibrium chemistry concepts including acid-base, gas, and solid-liquid equilibria applied to aquatic systems with an emphasis on problem-solving methods to determine chemical speciation and pH effects in natural and treated aquatic systems.

CIVL 608 Contaminant Fate, Transport, and Remediation (3 semester hours)

Introduction to physical, chemical, and biological processes governing the movement and fate of contaminants in the surface and coastal water environment. Practical quantitative problems solved based on contaminant mass transport, equilibrium partitioning, and chemical transformations in the environment. Regulatory implications and remediation approaches.

Prerequisite: CIVL 601 or ENVS 605.

CIVL 610 Water Treatment Systems (3 semester hours)

Integration of unit processes and operations and functional engineering design of water treatment systems.

Prerequisite: CIVL 640.

CIVL 612 Adv Integ Water Trtmt Systems (3 semester hours)

Detailed analysis of emission sources, emission calculation methods, and air pollution controls. The dispersion of air pollutants in the atmosphere (fates and lifetimes, dispersion modeling methods). In-depth techniques of conducting risk assessments due to exposure to air pollutants.

CIVL 617 Water Treatment Processes (3 semester hours)

Theory and practice of the physical and chemical treatment processes to treat water and wastewater including reactor performance, screening sedimentation, membrane and media filtration, adsorption, ion exchange, disinfection. Theory and practice of biological treatment of wastewater including activated sludge, attached growth systems, oxygen transfer, secondary clarification, nutrient removal, residuals stabilization and dewatering, natural treatment systems.

Prerequisite: CIVL 601 and CIVL 625.

Corequisites: CIVL 605 and ENVS 606.

CIVL 618 Water Reuse and Desalination (3 semester hours)

Wastewater reuse and desalination are key components of future water supply systems. This course covers processes used for water reuse and membrane treatment systems. The objectives include understanding: 1) the rapidly expanding wastewater reuse market; 2) advanced treatment processes required for reuse; and 3) the roles and characteristics of membrane systems for treatment of water and wastewater along with desalination for seawater and brackish water. Existing reuse and membrane treatment systems are studied to understand how individual processes are integrated to meet the water quality objectives and treatment requirements for different applications.

Prerequisite: CIVL 601.

CIVL 619 Advanced Integrated Water Treatment Systems (3 semester hours)

Integrated design of water and wastewater treatment facilities from site and process selection, site layout, hydraulics, flow and material balances, pumping, odor control, and chemical feed systems. Includes the design of additional processes such as ozonation, air stripper, ion exchange, adsorption, nutrient removal, etc.

Prerequisite: CIVL 617.

CIVL 620 Computers and Environmental Analysis (3 semester hours)

Applications of digital simulations in the analysis of problems in the environment, water quality modeling, numerical methods, statistical analysis, and use of a large scale application program.

CIVL 625 Applied Fluid Mechanics (3 semester hours)

Fundamentals of fluid mechanics, and review of the underlying mathematical principles, viscosity, fluid statics, conservation of mass, energy equation, momentum principle, fluid flow in pipes, hydraulic machinery.

Open to science majors interested in a master's degree in environmental science.

Permission of instructor required.

CIVL 626 Surface Water Hydrology (3 semester hours)

Applications of digital simulations in the analysis of problems in the environment, water quality modeling, numerical methods, statistical analysis, and use of a large scale application program.

CIVL 627 Urban Water Systems and Stormwater Management (3 semester hours)

Overview of the theory and practical applied hydraulic design in an urban setting. Topics include potable water conveyance facilities with pump stations and reservoirs; storm water conveyance systems including pipe, street gutter, storm drains, and culverts. Emphasis is placed on the design Low Impact Development (LID) bioretention, and other facilities for regulatory compliance and sustainability, as well as on the application of modeling software used in practice.

Prerequisite: CIVL 625.

CIVL 628 Groundwater Hydrology and Sustainable Management (3 semester hours)

Groundwater in California and other regions of the world is a critical component of our water supply portfolio, and proper management requires a judicious balance between municipal, agricultural, and environmental interests. In this course, students will learn about 1) the theory of groundwater occurrence and movement; 2) the engineering involved in groundwater extraction, replenishment, and protection; and 3) sustainable basin management strategies and optimization techniques. Specific course topics include theory of the movement and occurrence of water in a porous medium, Darcy's law, steady and unsteady flow in confined and unconfined aquifers, hydraulics of groundwater wells, municipal water well design, use of professional groundwater modeling software, optimization techniques to sustainably manage groundwater basin pumping, safe yield operation, artificial recharge, conjunctive use of groundwater and surface water supplies, seawater intrusion prevention, and sustainable basin management strategies and agreements.

Prerequisite: CIVL 625.

CIVL 629 Groundwater Contaminant Transport and Remediation (3 semester hours)

Processes affecting the transport and fate of inorganic and organic contaminants in groundwater. Emphasis is placed on processes involving phase equilibrium, mass transfer, dissolution, etc. Review of flow and contaminant transport models, remediation technologies, and practical/regulatory considerations.

Prerequisite: CIVL 628.

CIVL 630 Design of Concrete Structures (3 semester hours)

Theory and design of reinforced concrete columns, beams, retaining walls, footings, and slabs. Application to design projects.

CIVL 632 Design of Steel Structures (3 semester hours)

Fundamentals of load and resistance factor design of steel components, connections, and systems. Component designs include beams, composite beams, beam columns, tension and compression members, and simple connections. Introduction to computational modeling.

CIVL 633 Design of Wood Structures (3 semester hours)

The course addresses properties and behavior of wood products, design criteria using structural timber, glue laminated lumber, and panels, LRFD design of bending and compression members, frames, diaphragms, shear panels, and connection details, and use of resources such as building codes and the National Design Specifications.

CIVL 635 Contaminant Transport in Groundwater (3 semester hours)

Processes affecting the transport and fate of inorganic and organic contaminants in groundwater. Emphasis is placed on processes involving phase equilibrium, mass transfer, dissolution, etc. Review of flow and contaminant transport models, remediation technologies, and practical/regulatory considerations.

Prerequisites: CIVL 625.

CIVL 636 Nonlinear Structural Analysis (3 semester hours)

This course will cover nonlinear response and behavior of new and retrofitted buildings to earthquake ground motions. The course will be taught with lectures and projects (Perform 3D), using both prescriptive and performance-based design methodologies. Topics include nonlinear static and dynamic analysis, response spectra, component and system behavior, damping, latest research references for computational modeling.

CIVL 637 Building Information Modeling (3 semester hours)

This course focuses on the knowledge and skills required to create and utilize a Building Information Model (BIM) for construction building projects. This is a project-based course where students apply BIM concepts to real-life projects from the planning and design stages to the construction phase. The course also introduces the use of BIM for clash detection as well as for cost estimating and scheduling purposes.

Graduate standing required.

CIVL 638 Construction Management and Sustainability (3 semester hours)

Course provides students with an introduction to construction management and sustainable building practices and rating systems including CALGreen and Leadership in Energy and Environmental Design (LEED).

CIVL 639 Design of Masonry Structures (3 semester hours)**CIVL 646 Geotechnical Earthquake Engineering (3 semester hours)**

Introduction to engineering seismology and earthquake ground motions. Evaluation of dynamic soil properties, seismic site response analysis, soil liquefaction evaluation and mitigation, seismic slope stability, and seismic evaluation of dams and embankments.

Permission of Instructor required.

CIVL 647 Dams and Levees (3 semester hours)

Evaluation of geotechnical, hydrology, and hydraulic components for the design and evaluation of dam and levee structures. Consideration of unconfined groundwater flow, filter design, embankment stability, open channels, and other related topics.

Prerequisites: CIVL 620.

Permission of the instructor required.

CIVL 650 Fundamentals of Environmental Health Risk Assessment (2 semester hours)

The fundamental technical aspects and non-technical policy aspects of environmental health risk assessments. Basics of environmental chemistry; partitioning, fate and transport of pollutants in the atmosphere and water; human exposure scenarios, fundamentals of toxicology and epidemiology.

CIVL 651 Remote Sensing with Civil Engineering and Environmental Science Applications (3 semester hours)

The course introduces the fundamental concepts of remote sensing from space, remote sensing data, and image data processing. Topics include characteristics of electromagnetic spectrum and remote sensing devices, digital processing methods for interpreting, manipulating and analyzing remotely-sensed image data, and applications of satellite remote sensing to civil engineering and environmental fields.

CIVL 653 Modeling Environmental and Water Resources Systems (3 semester hours)

This course provides an introduction to mathematical modeling techniques used to solve and interpret a variety of environmental and water resources engineering problems. Topics include numerical solution of ordinary and partial differential equations, optimization, and statistical analysis of model results.

Prerequisite: CIVL 625.

CIVL 655 Computational Fluid Dynamics (3 semester hours)

In-depth study of applied computational methods for solving problems involving fluid and heat transport. Course will include both commercially available codes as well as self-generated solving routines. Topics include: numerical solutions to PDEs, steady flow solutions, unsteady flow solutions, flows involving heat transfer.

Prerequisite: CIVL 505 or 605.

Graduate standing required.

CIVL 657 Finite Element Methods (3 semester hours)

Introduction to the theory and application of finite element methods. Review of the fundamentals of analytical models, elasticity, and structural mechanics. Review of matrix theory and calculation of variations. General process for the development of a finite element solution. Derivations of basic elements, including those for trusses, plane stress and plane strain, beams, plates, and solids. Discussion of the issues of conformity and completeness. Higher order interpolation functions and isoparametric elements. Solutions and applications to problems in structural mechanics, heat transfer, structural dynamics, and elastic stability. Practical examples.

Graduate standing required.

CIVL 670 Contracts and Specifications (2 semester hours)

Discussion of the design and construction process, contract documents and specifications, contract changes, claims and disputes, property issues, selection of the design professional and professional service contracts.

CIVL 671 Air Quality, Control, and Management (3 semester hours)

Air pollution effects, and principal regulations, including greenhouse gases and environmental justice, emission standards, criteria and toxic pollutants, atmospheric stability, mixing, and inversions, and smog formation; detailed analysis of emission sources, emission calculation methods, air pollutant dispersion modeling, and equipment and processes to control criteria and toxic pollutants. Indoor air pollutants and radon are included.

CIVL 672 Sustainable Waste Management (3 semester hours)

Overview of the regulatory constraints associated with waste management. Application of current technology in municipal solid waste collection, handling, resource recovery, and safe disposal of residuals including landfill design, operation, gas mitigation, and closure. General characterization of principal industrial wastes, typical treatment processes used for recycling, waste reduction, and safe disposal of residuals. Hazardous waste characterization and minimization, storage, treatment, and residuals disposal; overview of site assessment and remediation strategies.

CIVL 673 Economics of Water and the Environment (3 semester hours)

Local, regional, and international economics are a fundamental component of water resources and environmental systems and associated management and decision making. This course covers topics on the debt-monetary system; debt financing for environmental projects; bond market; discount rate; and cash flow equivalence and benefit-cost analysis for project alternatives, including net present value, internal rate of return and unit cost. Students incorporate cost and interest rate uncertainty in project valuation studies as well as perform cost effective analysis using linear programming and other tools. Case studies include water treatment facilities, water transfers, and other environmentally focused projects.

CIVL 674 Sustainable Engineering (3 semester hours)

Introduction to the role of engineers in sustainability with focus on the modern engineer's role on design. Topics include environmental impacts, economics, climate change, stormwater management, recycled water and desalination, waste management, renewable energy, sustainable building and infrastructure, life cycle assessment, and green rating systems for engineering.

CIVL 675 Renewable Energy Systems (3 semester hours)

A detailed study of alternative energy technologies including: solar thermal, solar photovoltaic, wind, fuel cells, and geothermal systems will be covered. In-depth analysis of the technical aspects of these systems will be covered while considering economic and environmental constraints. Energy storage and grid integration will also be considered.

Graduate standing required.

CIVL 676 Project Management (3 semester hours)

This course will integrate project management theory with practical approaches to establish a fundamental knowledge base for use in today's contemporary dynamic business environment. Project management will be explored from planning and selection through all aspects of the project life cycle. Practical techniques will be developed to organize and control non-routine activities in order to properly manage schedule, quality, budget, and performance objectives. The course will concentrate on project management areas identified as core knowledge areas by the Project Management Institute (PMI). The areas include the management of: Project Integration, Scope containment, Time, Cost, Quality, Human Resources, Procurement, and Risk.

Graduate Standing Required.

CIVL 677 Transportation Engineering (3 semester hours)

This class introduces basic concepts involved in the broad and important field of transportation engineering. It focuses on passenger transportation, specifically highways and urban public transit. It addresses the characteristics of included modes, basic design of their guideways and stations, selection of appropriate street designs or modes for given applications, conducting trip generation and parking generation studies, and performing demand/capacity analyses. The history of urban transportation, transportation financing, traffic engineering, and transit operations planning is also covered. By the end of the course, students will have a strong basis for continuing their studies in the field and/or will simply be better informed on transportation issues as they inevitably arise in life.

CIVL 678 Research in Civil Engineering & Environmental Science (3 semester hours)

This course is designed to provide undergraduates and graduate students with research opportunities and better prepare undergraduates for advanced degrees. Students perform research in accordance with the scientific methodology in areas civil engineering, environmental engineering, and/or environmental science under the supervision of a research advisor who may or may not be the primary course instructor. The precise research topic is selected together by each student and/or advisor. Topics include the research process; hypothesis formulation and testing; modern scientific research; relevant research topics; analysis of scientific articles; data interpretation; critical assessment of public opinion versus scientific evidence; and article, report, and presentation preparation.

Permission of instructor required.

CIVL 690 Comprehensive Oral Exam (0 semester hours)

The oral examination provides an opportunity to assess the student's understanding of some of the fundamental principles of environmental engineering, water resources engineering, and/or environmental science. It provides an opportunity for the student to demonstrate her/his problem-solving abilities using knowledge learned through coursework and an indication of student accomplishment broader than what is obtained from conventional classroom assessment. The exam is generally offered on the Friday of final examinations week. Students can register for the class only if all of course requirements will be complete at the end of the semester in which they plan to take the exam. Students with non-engineering undergraduate degrees must also pass the Fundamentals of Engineering Exam overseen by National Council of Examiners for Engineering and Surveying.

Credit/No Credit only.

CIVL 691 FE/EIT Environmental Preparation (1 semester hour)

The Fundamentals of Engineering exam and Engineer-in-Training is the first step in becoming a licensed Professional Environmental Engineer. This course provides preparation for the National Council of Examiners for Engineering and Surveying (NCEES) discipline-specific Environmental FE exam with emphasis on water distribution, wastewater collection, treatment, health risk, noise, air quality, fate and transport, and landfills. The FE reference handbook is used in the solution of practice problems.

Credit/No Credit only.

CIVL 692 FE/EIT Other Disciplines (General) Preparation (1 semester hour)

The Fundamentals of Engineering exam and Engineer-in-Training is the first step in becoming a licensed Professional Engineer. This course provides preparation for the National Council of Examiners for Engineering and Surveying (NCEES) general non-discipline specific (other disciplines) FE exam.

Credit/No Credit only.

CIVL 695 Master Thesis (3 semester hours)

Master Thesis

CIVL 696 Thesis Defense (0 semester hours)

Students who opt for a thesis must defend their research to a thesis committee in the form of a written thesis and an oral presentation. It is the intent of the thesis committee to determine if the student 1) has mastered the subject matter of the thesis, 2) understands the work done by others, and 3) can critically assess that work and his/her own work. No later than two weeks prior to the thesis defense presentation, the student must provide their written thesis to their thesis committee for review. The presentation should take no longer than one hour, including questions and answers from the committee and audience. Immediately after the presentation, the committee will deem the thesis complete, complete with exceptions, or incomplete.

Credit/No Credit only.

CIVL 698 Special Studies (1-4 semester hours)**CIVL 699 Independent Studies (1-4 semester hours)**

Independent Studies

CIVL 2200 Engineering Thermodynamics (2 semester hours)

Fundamental of classic thermodynamics, properties of pure substances, ideal gas laws and climate variables, work, heat, energy balances for closed and open systems, second law, entropy, irreversible processes, isentropic processes, power, and refrigeration cycles.

Prerequisite: CHEM 114, MATH 132.

CIVL 2300 Mechanics of Materials (4 semester hours)

Development of relationships between loads applied to a nonrigid body including axial and torsional loading and the resulting stresses and deformations in the body, the relation between stresses and strains, develop adequate procedures for finding necessary dimensions of a member with respect material capabilities and design constraints. Topics include Torsion, Bending, Stability of Columns, analysis of bolted or welded joints.

Prerequisite: ENGR 200.

CIVL 2500 Surveying and Mapping (4 semester hours)

Study and utilization of state-of-the-art surveying instruments and related computations for topographic surveys, horizontal and vertical curves, and the design of highways. Introduction to computer aided design and geographic information systems (applications of Autodesk Civil 3D to civil engineering design and fundamentals of GIS using ArcView).

Prerequisite: Sophomore standing
Lecture, 2 hours; Laboratory, 4 hours.

CIVL 3040 Probability and Statistics in Civil and Environmental Engineering (2 semester hours)

Introduction to probability and statistics with an emphasis on techniques and applications useful in engineering.

Prerequisite: MATH 132.

CIVL 3100 Fluid Mechanics (4 semester hours)

Properties of fluids, fluid statics, kinematics, energy, hydrodynamics, momentum and dynamic forces, steady flow of compressible and incompressible fluids. Course includes a Fluids Lab component.

Prerequisites: CIVL 2200, MATH 234, and MATH 246 or concurrent enrollment.

CIVL 3150 Hydrology and Water Resources Engineering (4 semester hours)

Flood control hydrology including rainfall runoff methods of analysis, unit hydrographs, flood routing, flood frequency analysis. Development of surface and groundwater supplies, reservoir yield and operation, determination of water requirements, analysis of water supply and distribution systems. Risk & reliability statistics. Analysis of pumps. Hands-on fluid lab experiments with pumps and open channels.

Prerequisites: CIVL 3100, CIVL 3040 or MATH 361, MATH 246.

CIVL 3200 Introduction to Sustainability & Environmental Engineering (4 semester hours)

Introduction to sustainability and environmental engineering principles. Topics will include water and wastewater treatment processes; solid waste management; air pollution; sustainable water resource and pollution management in natural and urban environments; renewable energy. Integrated laboratory demonstrations are included.

Lecture, 4 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics (Civil Engineering majors only).

Prerequisites: BIOL 114, CHEM 114, MATH 132, and MATH 246 or concurrent enrollment.

CIVL 3350 Structural Analysis and Design (4 semester hours)

Analysis of determinate and indeterminate deformable structures at the element and system level using classical methods, and an introduction to computer methods of analysis to develop design skills. Introduction to the International Building Code.

Prerequisites: CIVL 2300 and MATH 246.

CIVL 3360 Structural Dynamics and Seismic Systems (4 semester hours)

Brief review of particle dynamics. Introduction to fundamentals of structural dynamics through theory and lab. Free and forced vibration of discrete and multiple degree of freedom systems, continuous systems, design for earthquake loading, application of the Uniform Building Code to the seismic design of structures. Structural dynamics experiments will be conducted.

Prerequisites: CIVL 3350 and MATH 246.

CIVL 3410 Introduction to Geotechnical Engineering (4 semester hours)

Soil formation, classification, physical and mechanical properties, soil compaction, flow through porous media, effective stress, earth pressures, consolidation, shear strength, and application to design of foundations and earth structures. Laboratory testing of soils.

Prerequisites: CIVL 2300, CIVL 3100.

CIVL 4001 Civil Engineering Design, Practice, and Ethics (4 semester hours)

An integrated senior design experience which utilizes knowledge from the civil engineering curriculum. In addition to the technical aspects, the designs consider costs, sustainability economics, and environmental factors. Class lectures include discussion of the design process, environmental impact, engineering and professional ethics, the engineering profession, professional practice issues, the role of the engineer in the construction process, and procurement of engineering work. Student project reports and presentations are required.

Prerequisites: CIVL 2100, CIVL 3150, CIVL 3200, CIVL 3350, CIVL 3360, CIVL 3410, CIVL 395.

University Core fulfilled: Flag: Engaged Learning.

Senior standing required.

CIVL 4900 Fundamentals of Engineering Exam Review (0 semester hours)

Topics for the Fundamentals of Engineering examination will be reviewed. The review will include sample test questions.

CLAR 1110 Elementary Greek I (4 semester hours)

A basic introduction to Greek grammar and syntax, including noun declension and verb conjugation; translation of simple prose passages.

CLAR 1111 Greek and Latin for Medicine I (1 semester hour)

A study of medical terminology derived from Greek and Latin roots.

CLAR 1112 Greek and Latin for Medicine II (1 semester hour)

Further study of medical terminology derived from Greek and Latin roots.

Prerequisite: CLAR 1111.

CLAR 1115 Elementary Latin I (4 semester hours)

A complete overview of Latin grammar, with an emphasis on morphology and syntax.

University Core fulfilled: Flag: Oral Skills.

CLAR 1120 Elementary Greek II (4 semester hours)

A continuation of the grammar and syntax of CLAR 1110, with a focus on more complex sentences; translation of more elaborate prose and poetry passages.

Prerequisite: CLAR 1110 or equivalent.

CLAR 1125 Elementary Latin II (4 semester hours)

A continuation of Latin grammar from CLAR 1115; translation of prose passages adapted from Classical authors.

Prerequisite: CLAR 1115 or equivalent.

CLAR 1130 Biblical Hebrew (4 semester hours)

This is a one-semester "crash course" intended to enable the student to acquire the basics of Biblical Hebrew adequate to understand references in scholarly literature and to begin to read simpler Biblical texts with the use of a dictionary.

CLAR 1135 Readings in Classical Hebrew (4 semester hours)

Selected readings in both prose and poetry.

Prerequisite: CLAR 1130 or equivalent.

CLAR 1150 Introduction to Near Eastern Languages (4 semester hours)

The Near Eastern Languages Course traces the origins and development of our very first written languages in the world including Sumerian, Akkadian, Ugaritic, Hebrew, Aramaic, Egyptian, Hittite, and Old Persian. Basic translation and writing exercises allow students to experience each language and consider its role in the advent of civilization. The hands-on study of the collection of cuneiform tablets, seals, and ostraca available in LMU's archaeology center will enhance the students' education about ancient writing and provide students the opportunity to examine several authentic ancient texts that will be discussed throughout the semester.

University Core fulfilled: EXP: Understanding Human Behavior

CLAR 1350 Egyptian Hieroglyphics (4 semester hours)

A study of the Middle Egyptian language and the hieroglyphic writing system.

University Core fulfilled: Flag: Oral Skills.

CLAR 1998 Special Studies (1-4 semester hours)**CLAR 1999 Independent Studies (1-4 semester hours)****CLAR 2120 Intermediate Greek (4 semester hours)**

An intensive course in intermediate Classical Greek, which will involve reading Classical Greek tragedy, and an introduction to the conventions of Greek tragedy. Students will be exposed to rhetorical devices used in prose and poetry, in addition to understanding how to navigate a commentary.

Prerequisites: CLAR 1110 and CLAR 1120, equivalent, or permission from instructor.

CLAR 2125 Intermediate Latin (4 semester hours)

An intensive course in intermediate Latin, which will involve reading original prose or poetic works in Latin and understanding of conventions in the Roman literary genres. Students will be exposed to rhetorical devices used in prose and poetry, in addition to understanding how to navigate a commentary and advanced grammar.

Prerequisites: CLAR 1115 and CLAR 1125, equivalent, or permission from instructor

CLAR 2200 Epic Poetry (4 semester hours)

A reading and analysis of Homer's Iliad and Odyssey, Apollonius' Argonautica, and Vergil's Aeneid (in translation).

University Core fulfilled: Explorations: Creative Experience

CLAR 2210 Greek Tragedy in Performance (4 semester hours)

A study of the plays of Aeschylus, Sophocles, and Euripides (in translation), with an emphasis on production.

University Core fulfilled: Explorations: Creative Experience: Flags: Oral Skills, Writing.

CLAR 2220 Ancient Comedy in Performance (4 semester hours)

A study of the plays of Aristophanes and Menander (in translation), with an emphasis on production.

University Core fulfilled: Explorations: Creative Experience.

CLAR 2230 Ancient Historians (4 semester hours)

A study of the great historians from ancient Greece, Rome, and China (in translation), with an emphasis on ancient historiographical traditions.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

CLAR 2235 Ancient Warfare: Methods and Strategy (4 semester hours)

This course traces the development of warfare and its impact in the Ancient Near East. A survey of textual accounts of key battles described in Mesopotamian, Persian, Egyptian, Biblical, and Classical sources will allow us to compare presentations of warfare and understand how military tactics changed over time. An investigation of key archaeological finds associated with weapons, war, and defense helps us explore the tangible impact of warfare. We will survey the destruction evident in the archaeological record and corresponding texts that describe the devastating aftermath of battles in order to assess the impact of violence on ancient civilizations. An exploration of the archaeological material associated with warfare in the Archaeology Center will enhance our studies. The study of ancient texts and archaeology will help us consider important topics such as ancient military tactics, defense strategies, the role of diplomacy, and the impact of warfare on vulnerable populations.

CLAR 2240 Ancient Greece (4 semester hours)

A survey of Hellenic civilization from its origins in the Bronze Age until the Hellenistic period, encompassing the study of archaeology, history, literature, religion, philosophy, and the fine arts.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flags: Engaged Learning, Information Literacy.

CLAR 2245 Ancient Greece/Early China (4 semester hours)**CLAR 2250 Ancient Rome (4 semester hours)**

A survey of Roman civilization from its origins in the Iron Age to the collapse of the empire, encompassing the study of archaeology, history, literature, religion, philosophy, and the fine arts.

University Core fulfilled: Explorations: Historical Analysis and Perspective.

CLAR 2255 War and Society in the Classical World (4 semester hours)

This course traces the intersections of the evolutions of military affairs and sociopolitical dynamics in Ancient Greece, Rome, and China. A survey of textual accounts of key battles and wars from Greek, Roman, and Chinese perspectives provide comparisons of how warfare was conducted, as well as how it was uniquely discussed and practiced in different cultural contexts.

CLAR 2260 Ancient Political Thought and Practice (4 semester hours)

An introduction to the political thinkers and institutions of Ancient Greece and Rome. The course investigates how the Greeks and Romans organized their societies and developed fundamental political concepts, such as justice, equality, authority, power, and conflict. Students read ancient authors, investigate their ideas, and run hands-on simulations of ancient politics.

University Core fulfilled: Explorations: Understanding Human Behavior

CLAR 2265 Ancient Oratory (4 semester hours)

This course teaches students the methods of persuasion applied to speech by ancient Greeks and Romans, collectively known as rhetoric. Students learn how ancient institutions and social needs shaped the development of key forms of public speaking, and examine the development of rhetorical theory in antiquity, and the social value of rhetoric and its relation to philosophical truth. Students learn how to analyze and critique, as well as enact rhetorical strategies. This course thus gives students the resources to become more deliberate and thoughtful consumers of media as well more capable advocates equipped with the necessary tools for careers in media, law, business, politics, education, and more.

University Core fulfilled: EXP: Creative Expressions.

CLAR 2270 Ancient Astronomy (4 semester hours)

An introduction to astronomy and astrology in ancient Babylonian, Greek, and Roman civilizations. Students learn ancient theories and conduct hands-on experiments using models of ancient astronomical devices. This course also explores the legacy of astronomy after antiquity, especially in Islamic, Jewish, and Christian contexts, as well as the transmission of celestial knowledge down to the present day.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

CLAR 2340 Archaeological Methods and Techniques (4 semester hours)

Modern archaeological methodology, theory, and interpretation.

University Core fulfilled: Explorations: Understanding Human Behavior.
Flag: Engaged Learning.

CLAR 2360 Ancient Near East (4 semester hours)

Study of the Near Eastern background of classical civilizations from the Neolithic to Alexander the Great.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

CLAR 2365 Introduction to Near Eastern Literatures (4 semester hours)

A survey of the major literary output of ancient Egypt, Babylonia, Ugarit, and other ancient Levantine cultures (in translation).

CLAR 2998 Special Studies (1-4 semester hours)**CLAR 2999 Independent Studies (1-4 semester hours)****CLAR 3210 Classical and Near Eastern Myths (4 semester hours)**

Study of the basic myths and myth patterns of the Greeks, Romans, and Near Eastern cultures, and their mythological heritage in Western literature and art.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Information Literacy.

CLAR 3220 Greek and Roman Religions (4 semester hours)

Study of the religious practices and beliefs of the Greeks and Romans from the archaic period to the triumph of Christianity.

University Core fulfilled: Integrations: Faith and Reason.

CLAR 3230 Arts of Greece (4 semester hours)

A survey of the significant monuments of art and architecture of ancient Greece, from the Bronze Age to the Hellenistic Period, with an emphasis on form and function in their cultural context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

CLAR 3240 Arts of Rome (4 semester hours)

A survey of the significant monuments of art and architecture of ancient Rome, from the Etruscan period to the Age of Constantine, with an emphasis on form and function in the cultural context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

CLAR 3250 Law and Life in Ancient Rome (4 semester hours)

An immersive introduction to the pluralistic legal system of ancient Romans and the role law played in daily life in antiquity. Students learn ancient legal thinking, explore actual and hypothetical legal scenarios, enact mock trials to learn ancient trial procedure, and replicate ancient styles of speech making.

CLAR 3330 Introduction to Near Eastern Religions (4 semester hours)

A study of the religions, rituals, and pantheons of ancient Near Eastern societies.

University Core fulfilled: Integrations: Faith and Reason; Flag: Information Literacy.

CLAR 3340 Art and Archaeology of Ancient Nubia (4 semester hours)

This course examines the development of the art and architecture of the cultures of ancient Nubia, as well as discusses concepts of race and ethnicity in the ancient Nile Valley. This course reveals one of the most dynamic and innovative civilizations of the ancient world and highlights its relationship with Egypt and how both civilizations influenced each other. The course covers the periods from the earliest inhabitants of the Nile Valley (Paleolithic through the Neolithic and domestication of plants and animals) to the Roman Period.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

CLAR 3345 Babylonian Cuneiform (4 semester hours)

An introduction to the language and writing system of Ancient Mesopotamia.

CLAR 3350 Ancient Egyptian Religion (4 semester hours)

A survey of origins and aspects of the various pantheons, rituals, creation themes, and other features of the religion of the Egyptian Middle Kingdom.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

CLAR 3360 Aegean Art and Archaeology (4 semester hours)

A study of the art and archaeology of the pre-classical Aegean world, from the Neolithic to the end of the Bronze Age.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

CLAR 3370 Egyptian Art and Archaeology (4 semester hours)

A study of Egyptian art and archaeology from the Neolithic to the Roman period.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

CLAR 3380 Classical Numismatics (4 semester hours)

Hands-on study of the coinages of ancient Greece, Rome, and the Eastern Mediterranean, with emphasis on archaeology, art history, and monetary origins. Students will use the large collections and library of the Archaeology Center.

University Core fulfilled: Flag: Information Literacy.

CLAR 3390 Archaeology of the Levant (4 semester hours)

Study of the Levantine civilizations and societies from the Neolithic period to the mid-first millennium BC, with hands-on classes utilizing artifacts from LMU's archaeological collection.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

CLAR 3998 Special Studies (1-4 semester hours)

CLAR 3999 Independent Studies (1-4 semester hours)

CLAR 4000 Classics/Archaeology Research Assistantship (1-2 semester hours)

In this 1-2 unit course, the student will have the opportunity to work closely with a professor on a research project in classics or archaeology, either independently or collaboratively. In this capacity, the student will receive training in data collection, how to analyze and interpret the results from data, how to perform appropriate literature reviews, and/or how to edit articles in classics or archaeology. The student will also be assessed at various stages of the course using suitable techniques such as weekly meetings, assignments, and a written report.

Permission of Instructor required.

CLAR 4210 Axial Age (4 semester hours)

A study of the philosophy and culture of Eurasia from the 8th to the 4th centuries BCE, with special emphasis on the great teachers of the age from China, India, Persia, Israel, and Greece.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Information Literacy, Writing.

CLAR 4220 Classical Hellenism, Race and Ethnicity (4 semester hours)

An interdisciplinary study of Greek ethnicity, and the legacy of Greek culture for the ancient and modern Greeks in the homeland and the diaspora, as well as for the ancient Romans and modern Europeans.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Information Literacy, Writing.

CLAR 4230 Ancient World and Film (4 semester hours)

A study of the uses of Greco-Roman myth and history in cinema. The course introduces students to the comparative study of literature and film across different cultures, languages, and genres.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

CLAR 4240 Greek Cinema (4 semester hours)

A study of some of the greatest Greek films in their modern political and social setting, with an emphasis on contemporary cultural identity and its roots in the western tradition.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Oral Skills, Writing.

CLAR 4250 Anne Carson: Classic Iconoclast (4 semester hours)

An interdisciplinary study of the works of Anne Carson and her interaction with the Classical tradition.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CLAR 4265 Sexuality and Gender in the Ancient World (4 semester hours)

This course explores the construction(s) of gender and its relationship to the sexualities of Greece and Rome, with special attention to the tragic playwrights and epic poetry, although comic and epigrammatic genres play prominent roles as well.

CLAR 4270 Representations of Greece: Ancient and Modern (4 semester hours)

The course offers students the unique opportunity to study complex issues surrounding representations of Greece from the classical to the modern world through an interdisciplinary approach that will highlight four areas of study: politics and economics; food and travel; theater and film; family, religion, and state. The course includes an embedded internship with the Los Angeles Greek Film Festival (LAGFF). Students publish a blog on research topics selected from the LAGFF film submissions.

Core: Interdisciplinary Connections

Flags: Engaged Learning

CLAR 4280 Greek Film Festival Internship (0-4 semester hours)

This engaged learning experience course offers a supervised internship with the Los Angeles Greek Film Festival (LAGFF) administered by Prof. Katerina Zacharia, LAGFF Director of University Connections. The course provides the necessary resources and tools to students to maximize career seeking skills through internship advisement, resume and cover letter support, and reflection on the internship experience.

May be repeated for a maximum of 4 semester hours.

The course does not count towards the CLAR major or minor.

Credit/No Credit only.

Instructor permission required.

CLAR 4349 Museum Study Internship (2 semester hours)**CLAR 4350 Archaeology and the Bible (4 semester hours)**

Study of selections of the Bible, combining historical criticism and exegesis with the relevant archaeology.

University Core fulfilled: Integrations: Faith and Reason.

CLAR 4360 From Greece to Gotham: Archaeology of the Heroes (4 semester hours)

An examination of how societies define and portray heroes in art and literature, beginning in the ancient Greek world and continuing through the modern era, and how heroes promote cultural values and mores.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

CLAR 4371 Archaeology Lab: Ancient Textiles: From Fiber Production to Social Identity (4 semester hours)

Special projects in the study of the techniques and materials used in ancient textile production in Egypt and the Ancient Near East, employing materials from LMU's Archaeological Center collections.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning.

CLAR 4372 Archaeology Lab: Chalcolithic Culture of the Levant (4 semester hours)

A hands-on study of the artifacts and archaeological context of the pre-Bronze Age cultures of the Levant, using materials from the Archaeology Center collections.

University Core fulfilled: Integrations: Interdisciplinary Connections, Engaged Learning.

CLAR 4373 Archaeology Lab: The Early Bronze Age in the Levant. Bab edh-Drah (4 semester hours)

This hands-on course focuses on a small collection of Early Bronze Age Jordanian objects housed in the LMU Archaeological Museum. This course will provide students with a broad knowledge of Early Bronze Age culture, with a specific focus on funerary practices, trade and architecture. Students will also focus on archaeological object documentation techniques, and on curating and exhibiting objects from a museum's collection.

University Core fulfilled: Integrations: Interdisciplinary Connections Flag: Engaged Learning.

CLAR 4374 Archaeology Lab: The Late Bronze Age - The City of Ugarit (4 semester hours)

This hands-on course focuses on a small collection of archaeological objects from the Late Bronze Age city of Ugarit (Syria) that are on loan at the Loyola Marymount Archaeological Museum. This course will provide students with a broad knowledge of Late Bronze Age Northern Syrian culture, its trade, funerary practices and architecture. Students will also focus on archaeological object documentation techniques, and on curating and exhibiting objects.

Permission of instructor required.

CLAR 4378 Museum Curation Internship (0-2 semester hours)

Hands-on internship in the Archaeology Museum. Students will learn about museum curation, cataloguing and label writing.

May repeat twice for credit.

Permission of instructor required.

CLAR 4379 Museum Study Internship (0-2 semester hours)**CLAR 4380 Archaeology Field Experience (0-4 semester hours)**

Active participation, usually of three-weeks duration, in an archaeological excavation or survey at selected Near Eastern, Classical, or New World sites.

Permission of instructor required.

CLAR 4400 Learning Community (0-1 semester hours)

This course is a community building program designed to assist CLAR majors and minors in forming community with their peers and faculty and acquire academic skills and habits through attending the annual lecture series and related events. It is an in-person experience and therefore an in-person class.

May be repeated for credit.

Does not count toward major/minor.

CLAR 4410 Capstone Research Skills (1 semester hour)

This course is part of the capstone sequence and complements the 4-semester-hour capstone course, focusing on research skills and methodology for writing the capstone research project in the CLAR disciplines.

CLAR 4420 Capstone Presentation (1 semester hour)

This course is part of the capstone sequence and aims to prepare students for conference presentations. Students are expected to present their capstone research at the LMU Undergraduate Research Symposium and at the Classics & Archaeology Symposium in spring of their senior year.

CLAR 4998 Special Studies (0-4 semester hours)**CLAR 4999 Independent Studies (1-4 semester hours)****CLST 1001 Learning Community I (1 semester hour)**

Part one of three. Open to all first-year students, including Chicana/o Latina/o Studies majors and minors and Latinx Alumni Association scholars. Students engage one another in conversations about shared identities and learn about university resources for academic, social, and professional success.

CLST 1002 Learning Community II (1 semester hour)

Part two of three. Open to all first-year students, including Chicana/o Latina/o Studies majors and minors and Latinx Alumni Association scholars. Students engage one another in conversations about shared identities and learn about university resources for academic, social, and professional success.

CLST 1116 Introduction to Chicana/o-Latina/o Studies (4 semester hours)

An interdisciplinary overview of Chicana/o-Latina/o Studies to familiarize students with historical and contemporary issues in Chicana/o and Latina/o communities.

University Core fulfilled: Foundations: Studies in American Diversity.

CLST 1998 Special Studies (1-4 semester hours)**CLST 1999 Independent Studies (1-4 semester hours)****CLST 2003 Learning Community III (1 semester hour)**

Part three of three. Open to all sophomores, including Chicana/o Latina/o Studies majors and minors and Latinx Alumni Association scholars. Students engage one another in conversations about shared identities and learn about university resources for academic, social, and professional success.

CLST 2100 Interdisciplinary and Intersectional Methods (4 semester hours)

This course introduces students to interdisciplinary and intersectional forms of analysis and is required of CLST majors and minors. This is a course about how we approach our fields of study (they may be multiple) and how the questions we ask shape what we can know.

CLST 2206 Introduction to Chicana/o, Latina/o Literature (4 semester hours)

An overview of a range of genre, themes, and concepts created by Chicana/o and other U.S. Latina/o writers.

CLST 2998 Special Studies (1-4 semester hours)**CLST 2999 Independent Studies (1-4 semester hours)****CLST 3001 Transfer Learning Community (1 semester hour)**

First-semester transfer students who have declared Chicana/o Latina/o Studies majors and minors or Latinx Alumni Association scholars take this course to find community, build a Latine consciousness at LMU, and learn about university resources for academic, social, and professional success.

Consent of Instructor.

CLST 3301 Literature by Women of Color (4 semester hours)
(See WGST 3301.)**CLST 3302 Chicanas and Latinas in the U.S. (4 semester hours)**

Analysis of the historical, social, and cultural characteristics that shape the roles of Chicanas and Latinas in the U.S.

CLST 3308 Contemporary Urban Issues (4 semester hours)

Using service learning in Los Angeles, the course helps students understand how the lives of Chicanas/os and Latinas/os are shaped by politics, economics, culture, history, and access to nation-state institutions.

Corequisite: CLST 3309.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

CLST 3309 Engaged Learning Lab (0 semester hours)

This course is a zero-semester-hour lab that is required for CLST 3308.

Corequisite: CLST 3308.

Credit/No Credit only.

CLST 3310 Guadalupe, Queen of the Américas (4 semester hours)

The course investigates the Virgin of Guadalupe's religious, cultural, and artistic significance among Mexicans and Mexican Americans in the United States. It uses interdisciplinary methods to examine Latino theology, the faith-practices and devotions to Guadalupe, and contemporary visual arts.

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

CLST 3315 Mexico City/LA Comparison (1 semester hour)

An exploration of the connections between Los Angeles and Mexico City, which include the analysis of the shared political, economic, and social futures of both cities. Students will consider a variety of scholarly disciplines and perspectives with an emphasis on field research performed in Los Angeles and Mexico City. The week long trip to Mexico City takes place in the month of June.

Permission of instructor required.

CLST 3320 Racial and Ethnic Politics (4 semester hours)

Comparative analysis of racial and ethnic groups within the United States political system. A focus on the effect of political institutions on minority groups at federal, state, and local levels. Examines the experience of minority groups to illuminate political process in the U.S.

University Core fulfilled: Flag: Quantitative Literacy.

CLST 3332 Chicana/o-Latina/o Literature (4 semester hours)

Examines Chicana/o-Latina/o literature, its criticism as well as its various artistic genres, introducing students to its aesthetic and social values. (See ENGL 3350.)

University Core fulfilled: Integrations: Interdisciplinary Connections.

CLST 3354 Prison Literature (4 semester hours)**CLST 3360 Chicana/o and Latina/o History (4 semester hours)**

An analytical survey of Native America, Latina/o America, and the recent past with a focus on race, ethnicity, sexuality, gender, and class.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Writing.

CLST 3362 Histories of Race and Sport (4 semester hours)

Examines the social, cultural, and political impact of sports in a variety of U.S. contexts from the 19th century to the present. Attention given to the ways organized sports constitutes, disrupts, and creates new understanding of race.

CLST 3363 History of Women in California (4 semester hours)

(See WGST 3600.)

CLST 3367 History of Los Angeles (4 semester hours)

CLST 3370 Politics of Mexico (4 semester hours)

Students' work will focus on historical context and real-time unfolding of Mexico's political development, structures, dynamics, and issues defining and redefining politics in Mexico today, including U.S. relations and the further turns these could take.

CLST 3371 Mexico City/LA Comparison (4 semester hours)

An upper-division examination of the connections between Los Angeles and Mexico City that includes shared political, economic, and social futures. Studies include parallel historical advances that each city made to support burgeoning growth that resulted in mega city status and the concurrent planning issues and innovation it entailed. Students will consider a variety of scholarly disciplines and perspectives.

CLST 3380 Media, Race, and Representation (4 semester hours)

The course examines U.S. media portrayals of various ethnoracial groups. Considers how gender and sexuality figure into these representations. Emphasis on Latina/o/x, Black, East Asian, Arab, and Indigenous representations, as well as representations of whiteness.

CLST 3381 Power and Popular Culture (4 semester hours)

Examines the role that popular culture plays in the reproduction of not only dominant formations of power but also as a means of resistant engagements with and rejections of the mainstream, including fashion, music, film and television, and digital media. Students will engage with theories of power, privilege culture, and identity.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CLST 3385 Bad Bunny & Puerto Rico (4 semester hours)

This course situates musical artist Bad Bunny's work in relation to key texts in Latinx and Puerto Rican Studies regarding colonialism, race, resistance, gender, sexuality, and popular culture.

CLST 3750 Into the Desert (4 semester hours)

An exploration of the desert as a root metaphor for deep spiritual experience and place of social, political struggle.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

University Core fulfilled: Flag: Engaged Learning.

CLST 3998 Special Studies (1-4 semester hours)**CLST 3999 Independent Studies (1-4 semester hours)****CLST 4310 Chicana/o Politics (4 semester hours)****CLST 4350 Immigration and Los Angeles (4 semester hours)****CLST 4380 The Politics of California (1-4 semester hours)**

Students will learn about the structure of state government, persistent and emerging issues facing the state and how politics is practiced in California. An Intrinsic component is the Sacramento Legislative Seminar, three-day trip to the State Capitol for panel discussions with elected officials, legislative staffers, lobbyists, media and others the work alongside state government. This trip takes place in late Feb/early March.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

University Core fulfilled: Flag: Engaged Learning.

CLST 4390 The Politics of Los Angeles (4 semester hours)**CLST 4404 Latina Feminist Theory (4 semester hours)**

Focuses on current writings by Chicana feminists and connects this material to African American and Asian American feminist theory. The course traces the development of Chicana feminism and its concern with the interlocking conditions of gender, race, sexuality, and class.

University Core fulfilled: Flag: Writing.

CLST 4406 Chicana/o Consciousness (4 semester hours)**CLST 4410 Critical Indigenous Studies (4 semester hours)**

Comparative study of Chicana/o and Native American literary and theoretical engagements with questions of nation, sovereignty, and the decolonial. Engages multiple theoretical perspectives and interdisciplinary approaches shaped by feminist, queer, and critical race studies.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CLST 4998 Special Studies (1-4 semester hours)**CLST 4999 Independent Studies (1-4 semester hours)****CLST 5001 Capstone Research (1 semester hour)****CLST 5002 Advanced Critical Methods (4 semester hours)****CLST 5003 Capstone Seminar (4 semester hours)**

A senior seminar required of majors and minors. Students conduct original, independent research and present the work before an audience.

Prerequisites: CLST 5001 and CLST 5002.

Offered Spring semester.

CMSI 533 Data Science (3 semester hours)

Basic mathematical concepts of data science and their implementation in various programming languages. Methods for obtaining and massaging data. Data life cycle, optimization, cost functions, and stochastic gradient descent.

CMSI 540 Software Architecture (3 semester hours)

Common architectural patterns used in software-intensive systems.

Examination of architecture from different viewpoints to develop understanding of the factors that matter in practice, not just in theory. Strategies for evolving software intensive eco-systems including the design of domain appropriate architectures and what it means to be an evolvable architecture, how architecture fits into the specification of software intensive systems, techniques to visualize software-intensive architectures, and common software architectural patterns and the problems they are designed to address. Service, object, and data-oriented design principles, embedded and enterprise architectural solutions, centralized and distributed architectures, and cloud computing architectures.

CMSI 543 Agile Development and Project Management (3 semester hours)

Design, development, and management issues of large-scale software systems which are reliable and maintainable, using methodologies applicable to evolving requirements through collaboration between self-organizing, cross-functional teams. A course project covers each step of the development process from the initial needs analysis and requirements specification through design and implementation. Tradeoffs between agile and older approaches, the impact of legacy systems, architectural representation issues, testing, project risk management, and emerging trends in software engineering such as model-driven engineering and aspect-oriented software development.

CMSI 544 Engineering for Autonomy (3 semester hours)**CMSI 560 Introduction to Cybersecurity (3 semester hours)**

Topics in cybersecurity for modern, highly networked organizations in both the private and public sectors from an engineering perspective, using NIST's formal framework of terms, concepts, and methods. Studies of realistic threat models and vulnerability assessments. Comprehensive coverage of technical foundations for extant technologies and tools, including anti-virus software, malware detection, intrusion detection and prevention, firewalls, denial of service attack mitigation, encryption, network monitoring, and automatic audit tools. Complications introduced by emerging trends such as mobile devices and cloud computing. Disaster recovery and business continuity plans. Best practices such as OWASP Top 10 and STIGS.

CMSI 563 Cyberdefense (3 semester hours)**CMSI 583 Computability and Complexity (3 semester hours)**

Introduction to the study of computability and computational complexity. Models for computation such as finite automata, pushdown automata, Turing machines, Post canonical systems, partial recursive functions, and phrase structure grammars. Complexity classes such as P, NP, RP, and NC. NP-Completeness. Efficient algorithms for matrix multiplication and fast Fourier transforms. Approximation algorithms, randomized algorithms and parallel algorithms.

CMSI 585 Programming Language Foundations (3 semester hours)

Mechanisms for the definition of syntax and semantics of programming languages, covering binding, scope, type systems, control flow, subroutines and coroutines, asynchronous and parallel execution, modularity, and metaprogramming. Denotational, operational, and axiomatic semantics. Case studies are taken from existing popular languages and virtual machines.

CMSI 620 Database Systems (3 semester hours)

Fundamental concepts in the field of database technology. Database system structure, semantic data modeling. relational, document, key-value, object-oriented, and graph databases. Formal query languages, integrity, normalization, security, physical database design, indexing and hashing, query processing and optimization, transaction processing, concurrency, crash recovery, and current research in the field.

Prerequisite: CMSI 3520 or permission of instructor.

CMSI 627 Knowledge-Based Systems (3 semester hours)

Detailed study of design and implementation of knowledge-based systems. Topics include: logic and theorem proving; deduction systems; reaction systems; forward and backward chaining; knowledge acquisition; and explanatory interfaces.

Prerequisite: CMSI 3520 or permission of instructor.

CMSI 630 Artificial Intelligence (3 semester hours)

Introduction to the fundamental concepts behind the implementation of human-level intelligence in computer systems. Agent architectures, problem-solving methods, heuristic search, game playing, knowledge representation, frames, inheritance and common-sense reasoning, neural networks, genetic algorithms, conceptual clustering, and current research in the field.

Permission of instructor required.

CMSI 632 Cognitive Systems (3 semester hours)

Topics at the intersection of cognitive psychology, experimental design, and machine learning, through an examination of the tools that automate how intelligent agents (both human and artificial) react to, learn from, and otherwise reason about their environments. Causal formalizations for higher cognitive processes surrounding the distinction between associational, causal, and counterfactual quantities, as well as advanced topics in causal inference including do-calculus and transportability. Automation of aspects of human and animalistic reasoning by employing modern tools from reinforcement and causal learning, including: Structural Causal Models, Counterfactual Randomization, Multi-armed Bandit Agents, Markov Decision Processes, approaches to Q-Learning, and Generative Adversarial models.

Prerequisite: CMSI 630 or equivalent.

CMSI 638 Multi-agent Systems and Distributed Artificial Intelligence (3 semester hours)

Study of the development of multi-agent systems for distributed artificial intelligence. Topics include intelligent agents, multi-agent systems, agent societies, problem solving, search, decision-making, and learning algorithms in distributed domains, industrial and practical applications of distributed artificial intelligence techniques to real-world problems.

CMSI 640 Software Architecture (3 semester hours)

Common architectural patterns used in software-intensive systems. Examination of architecture from different viewpoints to develop understanding of the factors that matter in practice, not just in theory. Strategies for evolving software intensive eco-systems including: design of domain appropriate architectures and what it means to be an evolvable architecture, how architecture fits into the specification of software intensive systems, techniques to visualize software-intensive architectures, and common software architectural patterns and the problems they are designed to address. Service, object, and data oriented design principles, embedded and enterprise architectural solutions, centralized and distributed architectures, and cloud computing architectures.

CMSI 644 Advanced Modeling of Software Systems (3 semester hours)

Recent developments in the theory, design, development, and application of autonomous systems. Technical contributions of experts in the field of autonomous systems, current gaps in theory and technology, system architecture, design of agents, models and knowledge representation, control of robotic manipulators, machine vision, design of wheeled, air, space, and underwater robots, navigation and localization, and political and ethical implications for autonomous systems.

CMSI 662 Secure Software Development (3 semester hours)

Theoretical foundations and best practices in secure software development. Examination of the application of security techniques in all phases of the software lifecycle (from requirements analysis through deployment and maintenance) with particular emphasis on writing secure software. Threat modeling, cryptography, digital signatures, analysis and assessment, defense against common attack vectors, web security, and testing best practices. Coursework includes implementation of a networked application with associated threat models and mitigation documentation.

CMSI 664 Advanced Cybersecurity Management (3 semester hours)

Systems engineering approaches to cybersecurity in modern, highly networked organizations in the private and public sectors. NIST formal framework of terms, concepts, and methods. Creation of realistic threat models and vulnerability assessments for enterprises of different types. Comprehensive coverage of benefits and limitations for extant host-based or network-based technologies including anti-virus software, malware detection, intrusion detection and prevention, firewalls, denial of service attack mitigation, encryption, network monitoring, and automatic audit tools. Optimal combination of management procedures and controls with key technologies. Best practice frameworks such as OWASP Top 10 and STIGS, and resources from institutions such as CERT, NIST, and SANS.

CMSI 670 Topics in Interaction Design (3 semester hours)

Interaction design and human-computer interaction, with equal emphasis on learning how to design and evaluate interaction architectures and learning how to survey and analyze current literature on the subject to implement such architectures. Topics include: interaction guidelines, principles, and theories; usability engineering; accessibility; the model-view-controller (MVC) and related paradigms; and current research in the field.

CMSI 672 Computer Vision (3 semester hours)

Fundamentals of computer vision including image formation, camera imaging geometry, feature detection and matching, boundary detection, stereo, motion estimation and tracking, text and object recognition, image classification, and scene understanding.

CMSI 675 Game Design and Architecture (3 semester hours)

The design and development of games, both analog and digital, with an emphasis on modular and scalable video game programming patterns, rather than specific languages or game engines. Concepts are applied through iterative development of game projects and prototypes.

CMSI 690 Research Methods (3 semester hours)

Interactive seminar taken in preparation for the graduate capstone project or the graduate thesis. The primary objectives are to provide students with basic skills necessary for performing independent research under the guidance of a faculty member, and to sharpen both written and oral presentation skills. Secondary objectives include broadening the students' technical backgrounds and awareness of contemporary issues, as well as promote life-long learning.

CMSI 694 Graduate Capstone Project (3 semester hours)

Project-based seminar in which students will be required to select, research, write about, and discuss some aspect of a broad area of current interest to computer scientists and electrical engineers.

Prerequisite: Successful completion of coursework and the endorsement of the faculty advisor required. (The seminar can be taken during the final semester of coursework subject to the approval of the faculty advisor.)

CMSI 695 Master's Thesis I (3 semester hours)

Research and development of a thesis project in compliance with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Selection of, and project approval from, a thesis advisor required.
Credit/No Credit only.

CMSI 696 Master's Thesis II (3 semester hours)

Continuing research and/or development of a thesis project for a second semester.

Prerequisite: CMSI 695.

Credit/No Credit only.

CMSI 697 Master's Thesis III (3 semester hours)

Continuing research and/or development of a thesis project for a third semester.

Credit/No Credit only.

Prerequisites: CMSI 695 and CMSI 696.

CMSI 1010 Computer Programming and Laboratory (4 semester hours)

Foundational course on computer programming, using a popular scripting language such as JavaScript or Python and stressing software development best practices. Topics include values and types, functions, objects, iteration, recursion, command line scripts, event-driven programming, and graphics and animation. Basic data structures and selected algorithmic paradigms are introduced. Laboratory experiences emphasize software engineering practices such as version control, packaging, distribution, and unit testing.

CMSI 1600 Introduction to Computer Science (4 semester hours)

History of computer science and its relationship to other fields. The benefits of computational thinking and computing-enhanced creativity in daily life. Numerous examples connecting computing and computing technology to human activities, such as sporting events, elections, politics, and health care. Coursework includes small-scale programming.

CMSI 1601 Computing in the Popular Culture (4 semester hours)

Common stereotypes and assumptions about computing, as reflected in art, entertainment, and conventional wisdom--and the truths and fallacies behind them. Deeper study of particularly seminal popular representations of computing concepts. Critical study of the depiction of computing in film (e.g., 2001: A Space Odyssey, The Matrix, War Games), literature (e.g., Neuromancer; I, Robot, The Soul of a New Machine; The Hitchhiker's Guide to the Galaxy), and mixed media (e.g., "Spock's Brain," Max Headroom, and Univac's 1952 presidential election forecast).

CMSI 1900 Exploring Computer Science (0 semester hours)

An introduction to the discipline of computing, its history, principles, ethical issues, societal impacts, and applications in and relationships to other fields. Development of soft skills including interviewing, resume writing, career building, mitigation of impostor syndrome and stereotype threat, team dynamics, and strategies for success.

Required for all incoming first year computer science majors.

Credit/No Credit only.

CMSI 1998 Special Studies (1-4 semester hours)**CMSI 1999 Independent Studies (1-4 semester hours)**

CMSI 2021 Web Application Development (2 semester hours)

Practicum culminating in the development of an open-source web application utilizing modern front-end and back-end frameworks and integrating with a cloud datastore and third-party APIs. Topics include the architecture of full-stack systems, single vs. multipage front ends, client-side visuals and animation, web accessibility, HTTP, asynchronous programming, database programming, version control, continuous integration, and web security.

Prerequisite: CMSI 1010 or ENGR 160 or ENGR 1200.

CMSI 2022 Mobile Application Development (2 semester hours)

Practicum culminating in the development of an open-source native mobile application. Topics include the architecture of full-stack systems, differences between web and native applications, device interaction and fingerprinting, HTTP, asynchronous programming, database programming, version control, continuous integration, and mobile security.

Prerequisite: CMSI 1010 or ENGR 160 or ENGR 1200.

CMSI 2120 Data Structures and Applications (4 semester hours)

Specification and design of data types, information structures, and their associated algorithms. Collection classes and interfaces for sets, lists, stacks, queues, hierarchies, heaps, and dictionaries. Implementation techniques such as arrays, linked lists, hash tables, and efficient tree structures. Introduction to asymptotic computational complexity. Methods for sorting, indexing, and hashing.

Prerequisite: CMSI 1010.

CMSI 2130 Algorithms and Analysis (4 semester hours)

The study of algorithm paradigms, including divide-and-conquer, greedy methods, dynamic programming, backtracking, and randomization, with an emphasis on combinatorial search. Modern heuristics such as genetic programs and simulated annealing. String processing including matching and longest common subsequence. Advanced sorting. Constraint satisfaction, hill climbing, and optimization. Combinatorial objects such as permutations, combinations, subsets, and partitions. Graph algorithms. Computational geometry. Recurrences and the Master Theorem.

Prerequisite: CMSI 2120.

CMSI 2210 Computer Systems Organization (4 semester hours)

Exploration of computing system operation with a focus on programming at levels with minimal translation between the code and what the computer can access and manipulate directly. Encoding, decoding, and manipulation of bit representations for integers, floating-point numbers, characters, and machine instructions. The C programming language, up to strings, pointers, and arrays. Assembly language, up to calling conventions and the stack. Programming tasks utilizing system calls and other operating system interfaces.

Prerequisite: CMSI 2120.

CMSI 2310 Language, Thought and Computation (4 semester hours)

A study of the philosophical and epistemological roots of computer science, covering language, thought, logic, cognition, computation, the Church-Turing thesis, computer programming, and artificial intelligence. Mathematical models of knowledge, learning, consciousness, and self-awareness. Structural and statistical foundations of human language. Holism, reductionism, Zen, and dualism.

CMSI 2464 Cryptography and Cryptanalysis (4 semester hours)

Survey of the basic principles and methods of both classical and modern cryptology, and the historical context in which these systems have arisen. Secret key and public key encryption and decryption. Random number generation. Hashes. Digital Signatures. Cryptanalysis.

Prerequisite: MATH 101.

CMSI 2820 Discrete Mathematics for Computer Science (4 semester hours)

Fundamental mathematical tools used in Computer Science: sets, relations, and functions; propositional and predicate logic; proof strategies such as direct, contradiction and induction; number theory; counting, discrete probability and graph theory with applications in computer science.

Prerequisites: CMSI 1010 or ENGR 160 or ENGR 1200.

CMSI 2998 Special Studies (1-4 semester hours)**CMSI 2999 Independent Studies (1-4 semester hours)****CMSI 3300 Artificial Intelligence (4 semester hours)**

Introduction to the foundational mathematics and concepts behind the implementation of autonomous reasoning, prediction, and decision-making. Logical and symbolic reasoning, probability theory and inference. Markov models, information and utility theory, sampling and approximation, machine learning, and introduction to deep learning.

Prerequisites: CMSI 2130, or CMSI 2120 with permission of instructor.

CMSI 3422 Biological Databases (4 semester hours)

An examination of biological information storage and processing at both organic and digital levels. The central dogma of molecular biology; the genetic code; the structure of DNA; DNA replication, transcription, translation, and regulation; recording and archiving of gene, protein, and transcription factor information in digital form; reading and integrating biological data into end-user applications.

CMSI 3510 Operating Systems (4 semester hours)

The design and implementation of modern operating systems examining both user interaction and internal management of computation and resources. Scheduling, synchronization, and preemptive multitasking of threads and processes. Memory and resource management techniques such as virtual memory, page tables, segmentation, atomicity and transactions. File system storage, indexing, and allocation. Security issues at the process, memory, and resource levels. Case studies and a term project involving the extension of a popular open-source operating system kernel.

Prerequisite: CMSI 2210.

University Core fulfilled: Flag: Information Literacy.

CMSI 3520 Database Systems (4 semester hours)

Theory, design, and programming of database systems. Data modeling foundations such as relational algebra and applications of canonical, logical, and physical schemas. ACID, normalization, constraints, transaction processing; concurrency, scaling up vs. scaling out. Query languages, database software interfaces and frameworks. Database security; indexing and optimization. Students work on a range of real-world database systems and datasets of different types including file-based, relational, document-centric, graph, data warehouses, and search engines.

Prerequisites: CMSI 2210

CMSI 3550 Networks and the Internet (4 semester hours)

Introduction to fundamental networking principles and their applications from local networks to the global Internet. Physical networking components, layered abstractions of the Internet architecture, several protocols enabling end-to-end data communication for varied applications and services. Client and server network programming. How key issues of security, scalability, resource allocation, and availability impact the design of computer networks.

Corequisite: CMSI 2210 or EECE 3140.

CMSI 3558 Electronic Markets (4 semester hours)

Study of the convergence of markets, fair division, and dispute resolution with modern information technologies. Utility theory; formal definitions for fairness; algorithms for proportional, strong, and envy-free division; complexity of cake-cutting algorithms; unequal shares; indivisible goods; impossibility theorems; auctions and elections; electronic markets vs. electronic commerce; parimutuel wagering and modern wagering websites; efficient market hypothesis; introduction to price theory; prediction markets and IEM (Iowa Electronic Markets); securities exchanges and NASDAQ; online auction markets and eBay; blockchain and cryptocurrencies; architecture and implementation; scalability and security; legal issues; future directions.

Prerequisite: CMSI 1010 or permission of instructor.

CMSI 3630 Data Structures and Algorithms in Engineering (4 semester hours)

The rigorous application of computing paradigms and principles to the development of software systems for solving engineering problems, with hands-on programming comprising a significant portion of the course. Laboratory exercises and projects are implemented with modern languages, toolsets, and libraries for scientific computing and linear algebra. Topics include data structures including arrays, lists, and balanced trees; traditional algorithms for searching and sorting; and algorithms for computational geometry, large-scale data processing, and machine learning.

Prerequisite: ENGR 160 or ENGR 1200 or MATH 181 or PHYS 1200 or CMSI 1010.

Intended for Engineering majors only, computer science majors will take CMSI 2120 and 2130.

CMSI 3700 Interaction Design (4 semester hours)

Introduction to interaction design and human-computer interaction with a primary focus on user-centered design techniques. Three broad categories of topics within human-computer interaction are covered: (a) concepts in human factors, usability, and interface design, and the effects of human capabilities and limitations on interaction with computer systems; (b) design, development, and evaluation of user interfaces for computer systems and learning how to use existing frameworks to implement interaction architectures; and (c) current areas of cutting-edge research and development in human-computer interaction.

Prerequisite: CMSI 2120.

CMSI 3710 Computer Graphics (4 semester hours)

The study and development of algorithms for synthesizing, manipulating, and displaying visual information. Representation, modeling, and creation of visual information in digital form: pixels, images, vertices, polygon meshes, scene graphs. Manipulation and rendering of visual information both computationally and mathematically via color manipulation, composition, vectors, matrices/transformations, projection, normal vectors, lighting, clipping, and hidden surface removal. The use and development of computer graphics APIs (libraries) at different levels of abstraction, including scene/geometry/material libraries, graphics pipeline, vertex and fragment shading, and direct graphics memory manipulation.

Prerequisite: CMSI 2120.

University Core fulfilled: Explorations: Creative Experience.

CMSI 3751 Game Design (4 semester hours)

The art and science of games. Goals, rules, game balance, and other fundamentals are introduced, as well as implementation issues such as modeling, physics, animation, networking, and performance. Coverage of existing gaming platforms and languages is provided as needed. Concepts are applied in an appropriately scaled, team-implemented game project.

CMSI 3752 Game Development (4 semester hours)

Development, production, marketing, and distribution of electronic games. Technical details of game and physics engines. Modeling, programming, and interaction techniques. The course covers both two- and three-dimensional platforms.

Prerequisite: CMSI 3751 or permission of instructor.

CMSI 3801 Languages and Automata I (4 semester hours)

A comparative study of the rationale, concepts, design, and features of several major programming languages, including bindings, scope, control flow, type systems, subroutines and coroutines, modules, objects, asynchronous programming, concurrency, and metaprogramming. Major attention is given to the following broad categories of languages: systems, enterprise, scripting, experimental, and esoteric. Compiler architecture and its relationship to formal models of computation.

Prerequisite: CMSI 2120.

CMSI 3802 Languages and Automata II (4 semester hours)

Applications of the classical theory of computation (including formal grammars, finite automata, stack machines, Turing machines, intractability and undecidability) in the implementation of compilers, transpilers, and interpreters for high-level computer programming languages. Scanner construction, parser construction, intermediate representations, virtual machines, code generation, and optimization.

Prerequisite: CMSI 3801.

CMSI 3920 Human Contexts and Computer Ethics (4 semester hours)

Examination of human contexts within computer science and specific technical skills that help facilitate ethical practice, with an emphasis on learning how to situate and confront social-technical issues at play in personal-professional development, interpersonal relationships, community relations, and global citizenship. Topics include: privacy-first software development and data stewardship; data literacy and quantification of complex social issues; value judgments and consequences; the role and responsibility of computer scientists.

Prerequisite: CMSI 2120 or CMSI 3630.

Junior standing or higher required.

University Core fulfilled: INT: Ethics & Justice.

CMSI 3960 Computing Internship (0-1 semester hours)

Credit awarded for (1) preparing supporting documentation for actual internships taken, or (2) participating in an individual or group directed research project resulting in a project or paper that is presented at a conference or university-sanctioned event.

Note: May be repeated up to four times for credit.

CMSI 3998 Special Studies (1-4 semester hours)**CMSI 3999 Independent Studies (1-4 semester hours)****CMSI 4071 Senior Project I (4 semester hours)**

Introduction to essential software engineering principles guiding design, development, implementation, and management of modern software projects. Software life cycle models, problem description, specification, and analysis. Object-oriented and use-case analysis methods. Requirements specification, development planning and basics of project management, SEI/CMMI processes, agile software development methods and activities, testing philosophies, ethical concerns, conflicts, and resolution strategies. Technical presentation skills. Students work in self-organizing teams to ideate, design, implement, test, and present a non-trivial software application which includes concepts from spanning the entire CS curriculum.

Prerequisite: permission of instructor.

University Core fulfilled: Flag: Engaged Learning.

CMSI 4072 Senior Project II (4 semester hours)

Continuation of the acquisition and practice of essential software engineering skills as described for CMSI 4071. Additional topics include elements of user interface design; front-end development; database integration; networking; SOA, SaaS, and distributed systems; client/server models; more in-depth practices of Agile development, and technical presentations. Students work either individually or in self-organizing teams to ideate, design, implement, test, and present a non-trivial software application which includes concepts spanning the entire CS curriculum. Projects may be extensions of those completed in CMSI 4071.

Prerequisite: CMSI 4071 or permission of instructor.

CMSI 4081 Senior Thesis I (4 semester hours)

Authorship and presentation of a paper, backed by the conception, design, and construction of a software project demonstrating mastery of the computer science curriculum.

Senior standing and Permission of instructor required.

University Core fulfilled: Flag: Engaged Learning.

CMSI 4082 Senior Thesis II (4 semester hours)

Authorship and presentation of a paper, backed by the conception, design, and construction of a software project demonstrating mastery of the computer science curriculum.

Prerequisite: CMSI 4081 and permission of instructor.

CMSI 4096 Computer Science Seminar (1-2 semester hours)

Computer Science Seminar. Readings and discussion of classic papers, essays, and monographs in a seminar setting.

Prerequisite: CMSI 3801.

CMSI 4320 Cognitive Systems Design (4 semester hours)

Topics at the intersection of cognitive psychology, experimental design, philosophy of science, and machine learning through an examination of the tools that automate how intelligent agents (both human and artificial) react to, learn from, and hypothesize beyond their environments. Causal formalizations for higher cognitive processes surrounding the distinction between associational, causal, and counterfactual quantities. Automation of aspects of human and animalistic reasoning by employing modern tools from reinforcement and causal learning, including: Structural Causal Models, Multi-armed Bandit Agents, online and offline solutions to Markov Decision Processes, and approaches to Q-Learning, including introductions to Deep Reinforcement Learning.

Prerequisite: CMSI 3300 with a C or better.

CMSI 4998 Special Studies (1-4 semester hours)

Repeatable for Credit.

CMSI 4999 Independent Studies (1-4 semester hours)

Repeatable for Credit.

CMSI 5243 Computer Architecture and VHDL (4 semester hours)

Organization, functionality, and operation of hardware and instruction sets of modern microprocessor systems. Design of computing systems that meet desired functionalities. The use of VHDL in the implementation of computer architectures. Topics include memory systems, pipelining, instruction-level parallelism, and multicore processors.

Prerequisite: EECE 3140.

CMSI 5277 Embedded Systems (4 semester hours)

Introduction to the design and analysis of computational systems that interact with physical processes. Case studies and applications in selected areas such as medical devices and systems, consumer electronics, toys and games, assisted living, traffic control and safety, automotive systems, process control, energy management and conservation, environmental control, aircraft control systems, communications systems, defense systems, manufacturing, and smart structures.

Prerequisite: EECE 3140.

CMSI 5350 Machine Learning (4 semester hours)

Introduction to the concepts and methods of Machine Learning (ML) and tools and technologies that can be used to implement and deploy ML solutions. Supervised learning, unsupervised learning, reinforcement learning, and learning theory. Applications including speech recognition, control systems, and bioinformatics.

Prerequisites: ((CMSI 2120 or CMSI 3630) and (MATH 251 or MATH 241)) and (CMSI 4320 or MATH 361 [either may be taken concurrently]) or (Permission of instructor)

CMSI 5370 Natural Language Processing (4 semester hours)

Introduction to the field of natural language processing (NLP), covering algorithms for solving various NLP tasks, including recent deep learning methods, as well as hands-on application of these techniques to real-world problems. Topics include language modeling, text classification, sequence tagging, syntactic parsing, word embeddings, machine translation, question answering, and spoken dialogue systems.

Prerequisite: CMSI 5350 or MATH 470.

CMSI 5457 Introduction to Virtual Worlds (4 semester hours)

An introduction to the history of, and the technological and social aspects surrounding, virtual worlds. Building and scripting objects, and the interaction between avatars, avatar customization, and computer science concepts underlying virtual worlds.

Permission of instructor required.

CMSI 5555 Wireless Networks (4 semester hours)

An introduction to cellular networks and wireless local area networks. Fundamental theories of transmission, antennas, and propagation. Signal encoding, spread spectrum, received-signal impairments in wireless systems, error detection and correction. TCP/IP, satellite communications, mobile IP. Wireless standards such as IEEE 802.11.

Prerequisite: EECE 3140.

CMSI 5586 Blockchain Technologies (4 semester hours)

A detailed study of blockchain and related distributed ledger technologies with a focus on the underlying principles from networking, security and cryptography, system performance and scalability, and other areas of computer science. Critical analysis of appropriate applications of distributed-ledger-based systems, along with technical and societal trade-offs. Design and implementation of smart contracts.

Prerequisites: CMSI 2120.

CMSI 5823 Random Processes (4 semester hours)

Studies of the fundamental theories of probability, random variables, and stochastic processes at a level appropriate to support graduate coursework/research and practice in the industry in electrical and computer engineering. Selected topics include basic probability concepts, total probability and Bayes theorems, independence, probability functions, expectation, moments of random variables, multiple random variables, functions of random variables, central limit theorems, basic stochastic process concepts, wide-sense stationary processes, autocorrelation function, power spectral density, and important processes such as Gaussian, Markov, and Poisson. Applications of the theories to engineering and science problems will be emphasized.

Permission of instructor required.

CMSI 5998 Special Studies (1-4 semester hours)

Repeatable for credit.

CMSI 5999 Independent Studies (1-4 semester hours)**CMSI 6272 Motion Capture Laboratory (4 semester hours)**

Laboratory course in which students will learn how to set up motion capture systems using two different technologies: (1) infrared cameras and reflective markers, and (2) wearable wireless networks. The motion capture systems will be interfaced to a computer to log and process data via digital-signal-processing and data-classification algorithms.

CMSI 6278 Internet of Things (4 semester hours)

Overview of the IoT ecosystem and how value is created with IoT products. Key IoT concepts and technologies and a survey of important IoT companies and their products. Students will learn how to turn ideas into new products and create value for customers. Students will also learn how to work together in cross functional teams, deal with fast, ambiguous, and rapidly changing projects. In addition, students will learn to identify and resolve cybersecurity threats in IoT solutions.

CMSI 6352 Deep Learning Applications (4 semester hours)

Construction of deep-learning models using recursive and convolutional neural networks. Application areas such as natural language processing, speech recognition, image classification and segmentation, and computer vision. The course requires the implementation of a project applying deep learning to real-world problems.

CMSI 6555 Wireless Sensor Networks (4 semester hours)

The programming and implementation of wireless sensor networks (WSN). Interfaces, memory allocation, component layering, sampling, single-and multi-hop networking, packet sources, reliable transmission, and transmission power control. Students will program wireless sensors that communicate with each other to form a WSN.

Prerequisite: EECE 3140.

CMSI 6820 Information Theory (4 semester hours)

Introduction to the concepts of information measures, data compression, and channel capacity. Applications of Shannon theory to evaluate the effectiveness of practical communication links. Error correction coding and its application in reliable communications. Entropy, relative entropy, asymptotic equipartition, entropy of stochastic processes, and differential entropy.

CMSI 6960 Graduate Computing Internship (0-1 semester hours)

Credit awarded to graduate students for 1) preparing supporting documentation for actual internships taken, or 2) participating in an individual or group directed research project resulting in a project or paper that is presented at a conference or University-sanctioned event.

Credit/No Credit only.

CMSI 6998 Special Studies (1-4 semester hours)

Repeatable for credit.

CMSI 6999 Independent Studies (1-4 semester hours)**CMST 1600 Nature of Theory (4 semester hours)**

This course introduces students to the field of communication studies. Students will study the field's disciplinary history, the nature of theory, and foundational concepts from multiple subfields within the discipline.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 1700 Nature of Inquiry (4 semester hours)

This course overviews the research process, with an emphasis on the foundational skills necessary to conduct original research, including: generating research questions; developing scholarly arguments; locating, retrieving, and evaluating sources; and actual data collection methods. Students will also be introduced to basic aspects of writing for the discipline, as well as expectations for scholarly ethics and proper citation of sources.

Prerequisite: CMST 1600.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 2100 Relational Communication (4 semester hours)

This course is designed to introduce the students to interpersonal communication theories, processes, and skills. The course challenges students to examine their own communication behaviors and focus on their strengths and weaknesses as a way to develop and apply new communication skills and proficiencies.

Prerequisites: CMST 1600 and CMST 1700.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Flag: Quantitative Literacy.

CMST 2200 Intercultural Communication (4 semester hours)

A study of the principles and theories of human communications related to cross-cultural encounters. This course emphasizes understanding the relationship between persons and culture and for improving communication between persons from different cultural backgrounds.

Prerequisites: CMST 1600 and CMST 1700.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 2300 Organizational Communication (4 semester hours)

This course is designed to introduce the students to the field of organizational communication and the relationship between organization and communication. The course allows students to examine a range of organizational communication perspectives, theories, issues, and constructs. At the same time, students are encouraged to explore the ways these perspectives shape, expand, and limit our understanding of communication and organizing. Significantly, the course encourages critical and analytical thinking by using the course content as a basis for critique.

Prerequisites: CMST 1600 and CMST 1700.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Flag: Quantitative Literacy.

CMST 2400 Contemporary Rhetorical Theory (4 semester hours)

This course provides a survey of major rhetorical themes and theories, including classical, symbolic, argumentation, critical, feminist, and non-Western approaches to rhetoric. Students will explore the relationship between rhetorical theory and practice, the contributions of rhetorical theory to the social world, and the potential for rhetorical studies to inform issues of democratic governance, marginalized groups, social justice, and technology in society.

Prerequisites: CMST 1600 and CMST 1700.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 2500 Media Studies (4 semester hours)

This course introduces students to three key areas in the field of media and communication: 1) media industries, circulation and the political economy of media; 2) the legacy of British Cultural Studies in exploring identity, resistance, and the active audience; 3) media effects, including quantitative audience reception studies and ethnographic approaches to audience analysis. Students will be encouraged to directly engage with the political, social, cultural, and economic influence of evolving technologies and mediums in our digitally mediated global environments.

Prerequisites: CMST 1600 and CMST 1700.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Flag: Quantitative Literacy.

CMST 2510 Digital Diversities: Media Production as Social Justice (4 semester hours)

This course introduces students to a social justice topic (chosen by the professor), theories of visual and audio communication, and basic video/audio production skills. Students demonstrate learning about the topic in short paper assignments and demonstrate production skills in practice projects. These assignments and theories studied inform the creation of a final project—an ethnographic video or audio podcast documentary on the social justice topic.

DMCI Minors Only. Must be completed with a grade of "C" or better.

CMST 2700 Interrogating Tourism (4 semester hours)

This course critically examines the implications of cultural and spiritual tourism in the United States and the world with special attention to identities and differences, such as race, sex, gender, sexuality, and ability. In particular, the course will explore the struggle of people/s to preserve their cultural and spiritual identity relative to the role of the tourism industry in protecting their cultural heritage, resources, and sites. The course promotes multicultural awareness, hospitality, and sensitivity as a means of recognizing others and minimizing the exploitation of their culture.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: FND: Studies in American Diversity.

CMST 2720 The Power of Quantitative Reasoning (4 semester hours)

The purpose of this class is to prepare students to become informed consumers of communication quantitative research. To accomplish this, we will discuss quantitative research perspectives, ethics, methodologies, and analysis. This course will develop your ability to locate and fully comprehend Communication research and to understand how that quantitative research is conducted, reported, analyzed, and critiqued in Communication literature. By the end of this course, students will emerge not only as well-informed consumers, but also as critical thinkers equipped to navigate and contribute to the dynamic realm of quantitative reasoning in communication research.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 2800 Advanced Public Communication (4 semester hours)

This course provides advanced training in argumentation skills, including logical reasoning, the use of evidence, and effective organization of content. Students will conduct topical research and prepare oral and written arguments.

Prerequisites: CMST 1600 and CMST 1700.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Flags: Information Literacy, Oral Skills.

CMST 2900 Communication Approaches to PR (4 semester hours)

This course introduces to students to the ways in which sub-fields within communication studies relate to the field of public relations. Specific topical areas include the relationships among public relations and: 1) rhetoric; 2) media/social media; and 3) social-scientific approaches to persuasion. The course also addresses information gathering and information literacy skills as relevant to the field of public relations.

CMPR minors only.

Must be completed with a grade of B (3.0) or higher.

CMST 2998 Special Studies (1-4 semester hours)**CMST 2999 Independent Studies (1-4 semester hours)****CMST 3110 Gender Communication (4 semester hours)**

This course provides an examination of the communication styles of males and females in a variety of settings. Course surveys gender similarities and differences in verbal and nonverbal communication with an emphasis on how males and females perceive the world and how these perceptions affect the human communication process.

Prerequisites: CMST 1600, CMST 1700, either CMST 2100 or CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3120 Family Communication (4 semester hours)

This course examines aspects of interpersonal and relational communication within the context of the family system. Topics including family identity and the creation of shared family meanings, family intimacy, family roles, family power dynamics, managing family conflict and family stress, and intergenerational family relationships are investigated through the lens of the family communication system.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3130 Prosocial Behavior and Communication (4 semester hours)

This course will identify prosocial behavior and communication, contrast it with antisocial norms, and focus on the values inherent in the caring, sharing, and ways of building relationships and communities with an emphasis on the possibilities for both individual and collective growth and well-being. Emphasis will be on the understanding of both individual and group behaviors that promote effective and cooperative prosocial communication.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3150 Persuasion (4 semester hours)

This course provides an overview of basic social-scientific theories of persuasion (fear appeals, social proof, liking, reciprocation, social judgment theory, etc.). Then, the course examines how these social-scientific approaches differ from and complement other approaches to understanding the practice of persuasion. Draws on Robert Cialdini's work in the psychology behind various persuasive techniques.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

Minor Prerequisites: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Flag: Engaged Learning.

CMST 3180 Leadership and Interpersonal Communication (4 semester hours)

In this course we will explore a wide range of human behavior as it relates to leadership development and communication with an emphasis on global communication issues. Students will learn about leadership, strengthen leadership skills, and learn to value their potential for leadership. This course will integrate theory and practice to build leadership competencies required in today's global workplace. This course is largely experiential and guided by the principle that leadership is a skill that can be developed and refined.

Major Prerequisites: CMST 1600, CMST 1700, either CMST 2100 or CMST 2300, and CMST 2800.

Minor Prerequisites: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CMST 3190 Advanced Topics in Relational Communication (4 semester hours)

Seminar addressing selected, advanced topics in relational communication.

May be taken twice for degree credit if subject/title differ.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3191 Relationships in Context (4 semester hours)

Personal relationships form the core of how we understand ourselves, our positions in society, and our knowledge of the world. The emotional bonds we feel for others seem to be spontaneous and individualized expressions of our authentic selves. However, this course will pose the question: are personal relationships entirely personal? The course introduces students to the interdisciplinary study of human relationships, with a particular focus on the sociocultural approach to relating and communicating. This course is based on the premise that relationships are far more than the matching of personalities or the forming of emotional bonds. Rather, our relational communication is situated within and shaped by larger historical, social, cultural, technological, and political contexts. Through readings, lectures, discussions, and activities, we will explore the impact of historical circumstances, cultural myths, personal networks, material conditions, and public policies on personal relationships. This course is also designed to challenge you to rethink some popular assumptions that dictate our understanding of personal relationships, such as the centrality of emotion in relationships, the illusion that relationships are matters between two individuals, and the false binary of public/private.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

Juniors and seniors only.

Majors only. Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CMST 3192 Global Intimacies (4 semester hours)

This course introduces students to the interdisciplinary study of personal relationships, particularly romantic relationships, familial relationships, and intimate and reproductive labor, from a cross-cultural perspective. It explores two broader issues: global diversities in the ideas and practices of close relationships and the impact of globalization on private lives. Readings include scholarship from communication studies, anthropology, and sociology on issues such as romance and courtship, marital and intergenerational relations, queer intimacies, cross-border marriages, transnational adoption, migrant families, and the global commodification of sex and reproductive labor.

Prerequisites: CMST 1600, CMST 1700, either CMST 2100 or CMST 2200, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3193 Family Communication in an Unequal World (4 semester hours)

The family is a major institution in which social inequalities are embedded and manifested. Instead of imagining the family only through positive lenses like trust, intimacy, and unconditional love, this course invites you to see the family as a site of social constitution and power contestation. It introduces you to the basics of family communication, highlighting the contested nature of the concept of family and the discursive challenges faced by many families. It also explores the emerging literature on racial-ethnic diversity and inequality in family communication, and invites you to gain new perspectives on social inequalities through service learning. Overall, this course provides you with an opportunity, as well as a challenge, to reflect on the diverse family experiences created by unequal social structures and to connect classroom learning with the real-world struggles and triumphs of marginalized communities.

Course counts toward Four Advanced Topics Courses requirement.

Junior or Senior standing.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3210 Power and Culture (4 semester hours)

Culture, in any given state or formation, across time or space, is never a neutral arbitrator nor static in its configuration. As a way of life, as an apparatus governing life, culture is fluid, contested, visceral, and constantly in the process of reformation. Culture is always already a social construction and always already power-laden. This course centers the roles and functions of power—the ability to control, hold authority, dominion or rule over others—and culture. In this class, 1) we will learn how to think critically about the construction of culture(s), 2) we will explore the impact of American empire and its discursive practices on other cultures and nations, and 3) we will explore the constructive nature of power and discourse.

Prerequisites: CMST 1600, CMST 1700, CMST 2200, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3220 Race, Culture and Sport (4 semester hours)

This course explores the long-standing history of sport as it relates to race and culture. Beginning with historical contexts regarding the post-American Civil War (1861-1865) African American jockey movement to #BlackLivesMatter and from Muhammad Ali to LeBron James, this course also dives into the infamous relationship between sport and politics. Lastly, this course explores how sport has influenced culture and caused societal shifts when it comes to issues on social justice.

Prerequisites: CMST 1600, CMST 1700, CMST 2200, CMST 2800.

Juniors and seniors only.

CMST majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3230 Critical Pedagogies in Communication (4 semester hours)

This course introduces students to the theory and practice of pedagogies in the field of communication. It brings together several (inter) disciplinary strands of research, including Critical Pedagogy, Higher Education and Development, Communication Education, Instructional Communication, Critical Communication Pedagogy, Critical Performance Pedagogy, and Critical Intercultural Communication Pedagogy. Students will also be introduced to Feminist & Queer theories to enable them to explore philosophies, strategies, methods, and problems related to communication pedagogy. This course provides a space for current and future instructors of communication to develop philosophical foundations and approaches to teaching through a dual emphasis on theory and engaged practice (praxis).

Course counts towards Four Advanced Topics Courses requirement.

Junior or Senior standing.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3240 Kaleidoscope of Culture & Identity (4 semester hours)

This course is designed to foster intercultural communication competency and increase understanding of our social identities. We will explore how communication, identity, and culture influence our perceptions, feelings, and behaviors. We will also explore how our social identities are shaped through communication with others (e.g., friends, families, classmates, colleagues, strangers). We will learn that individuals can have multiple identities which are dynamic and influenced by society. To accomplish this, we will learn through both theories and concrete examples of intercultural communication and social identity.

Course counts towards Four Advanced Topics Courses requirement.

Junior or Senior standing.

Majors only.

Must be completed with a grade of C (2.0) or better.

CMST 3245 Media and Intercultural Communication (4 semester hours)

This course will focus on the process through which media influences intercultural communication in our everyday life. To that end, we will discuss how viewers select, interpret, and respond to media in a global context and how media images and practices play a role in how we create meanings and communicate with others. We will explore how media forms and reflects certain cultural norms through the use of traditional (e.g., TV, film) and emerging (virtual reality, teleconferencing) media. To accomplish this, we will cover a wide range of topics such as media representations of race/ethnicity & gender, intercultural processes, entertainment media, and soft power.

Course counts toward Four Advanced Topics Courses requirement.

Junior or Senior standing.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3250 Locating Culture on Monsters & Monstrosity (4 semester hours)

This course offers an introduction to the practices of intercultural communication studies through the theme of monsters and monstrosity. Considering examples from different genres, media (such as literature, film, graphic novels), and time periods, students analyze the cultural significance of the monster in the many forms it may take and explore the ways in which creative works, through such figures as the monster, represent and rethink realities (social, cultural, scientific, human) through the blurring of the real and the imaginary.

Prerequisites: CMST 1600, CMST 1700, CMST 2200, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3290 Advanced Topics in Intercultural Communication (4 semester hours)

Seminar addressing selected, advanced topics in intercultural communication.

Prerequisites: CMST 1600, CMST 1700, CMST 2200, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

May be taken twice for degree credit if subject/title differ.

CMST 3310 Media and Marketing Communication (4 semester hours)

This course provides a comprehensive introduction to integrated marketing communications, media selection, and campaign execution. Students will learn the elements of a successful strategic communications plan by evaluating advertising, public relations, and marketing silos and their impact on motivating target audiences. In this course, students will learn to evaluate audience demographics and apply appropriate communication channels and messages based upon audience needs and the business realities of marketing campaigns. A key course objective is to gain an understanding of how to propose and implement an integrated marketing communications plan from the viewpoints of advertising agencies, businesses, and nonprofit entities.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

Minor Prerequisite: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3320 Sexualities and Organizational Communication (4 semester hours)

This course develops and facilitates learners' critical knowledge of the intersections between sexualities, organizations, and communication. Over the course of the semester, we will build a queer understanding of sexuality and organizational communication that is guided by the question, "What would it mean to embody a sexual ethics of organizing?" Building upon theoretical approaches to organizational communication, this course lays an anti-foundational understanding of sexuality, or rather we will come to know sexualities as strange, plural achievements that are lived and embodied within a contested terrain of history, culture, power, and labor.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CMST 3325 Communication and Healthcare (4 semester hours)

Communication plays a critically important role in many different aspects of the healthcare process from care delivery to public health campaigns. This course offers a broad survey of health communication theory, research, and practice focused on patient-provider interaction, communication in healthcare organizations, culture and health, health education, and social marketing.

Major Prerequisites: CMST 1600, CMST 1700, either CMST 2100 or CMST 2300, and CMST 2800.

Minor Prerequisites: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CMST 3330 Corporate Ethics and Social Responsibility (4 semester hours)

This course consists of a critical exploration of theories and practical applications of corporate ethics and corporate social responsibility (CSR). Students will analyze and critique organizational messages surrounding corporate crises, ethics case studies, and exemplars of corporate social responsibility in the news, historical accounts, and film/documentaries. Students will also learn about being an informed consumer by experiencing a week without a sweatshop, in which they research organizational practices, ethics, production and supply chains, and whether or not employees are paid a living wage, while keeping track of all their purchases for a week, journaling, and writing a self-reflection of the process.

Prerequisites: CMST 1600, CMST 1700, either CMST 2300 or CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3335 Sport and Public Communication (4 semester hours)

This course will explore the interplay between the business, socioeconomic, and cultural dynamics of sport and how these intersections are influenced by the aspect of public communication.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2300 and CMST 2800.

Minor Prerequisites: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3350 Nonprofit Communication Campaigns (4 semester hours)

This class is a Community Based Learning (CBL) course and requires completion of volunteer hours with a nonprofit organization. Students will work in teams to design and write communication campaign items, such as brochures, flyers, fundraising letters and PowerPoint presentations, and social media content for a nonprofit organization. The course is grounded in Social Justice and Community-Based Learning theories and applied communication practices.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2300 or CMST 2400, and CMST 2800.

Minor Prerequisites: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Flag: Engaged Learning.

CMST 3370 Gender and the Workplace (4 semester hours)

This class will explore basic theories and principles of communication and gender in organizational contexts through lecture, class discussions, case studies, assigned readings, films, and written assignments. Students will develop an understanding of gender issues at work and how we construct gendered stereotypes, policies, and values. The course will culminate in a study of some gender context within the workplace, such as sexual harassment, gender pay equity, mentoring practices, etc.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3380 Communication Consulting (4 semester hours)

In this course, students will actively explore the roles and responsibilities of consultants. Students will be introduced to common elements of consulting interventions and will apply these elements in case studies that will be engaged first as an entire class and later in small groups of students who have assigned individual responsibilities in managing the cases on which they are working.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

Minor Prerequisites: CMST 2900 and CMST 3900.

Juniors and seniors only.

CMST majors/CMPR minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3390 Advanced Topics in Organizational Communication (4 semester hours)

Seminar addressing selected, advanced topics in organizational communication.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

May be taken twice for degree credit if subject/title differ.

CMST 3410 Political Communication (4 semester hours)

The act of deliberation is the act of reflecting carefully on a matter weighing the strengths and weaknesses of alternative solutions to a problem. It aims to arrive at a decision or judgment based not only on facts and data but also on values, emotions, and other less technical considerations. This course takes a unique approach to the field of political communication by viewing key concepts and research through the lens of deliberative democracy theory. This course focuses on how communication is central to democratic self-governance primarily because of its potential to facilitate public deliberation.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3420 Rhetoric of Women (4 semester hours)

This course provides the opportunity to explore and analyze rhetorical texts created by women in a variety of contexts and for a range of purposes. The overall goal of the course is to examine the ways in which women develop and use rhetoric to function in, challenge, and change the world. Various texts including writing, speaking, visual and performing arts, as well as media forms will be used to understand rhetorical situations, concerns, and goals of women. Students will gain an understanding of feminist perspectives on communication as a foundation for critically questioning, evaluating, and re-envisioning the nature of communication in our socially constructed world. In this course, gender is viewed as a lens, platform, and position that significantly affects and can radically transform our personal, local, and global lives. Particular attention will be given to the ways in which gender and gender issues intersect with race, class, and sexuality.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3425 Rhetoric and Race (4 semester hours)

This course provides the opportunity to explore and analyze various rhetorical texts through the lens of theories created by Black, Indigenous, and People of Color (BIPOC). Students will explore rhetorical theories from BIPOC perspectives. Offering alternatives to traditional rhetorical theory and gaining a deeper understanding of current uprisings for racial justice in our contemporary socio-political context, including: agency, liberation theory, decolonization, and marginalization, among other constructs. The main goal of the course is to examine ways in which BIPOC develop and use rhetoric to 1) function in and challenge systems of oppression, 2) work to dismantle racism, and 3) transform our collective discourse. Seminar addressing selected, advanced topics in rhetorical studies.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, CMST 2800.

Juniors and seniors only.

CMST majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3430 Culture, Crime, and Punishment (4 semester hours)

This course examines cultural constructions of crime and punishment. Although the course focuses primarily on the U.S. criminal justice system, we will attend to the prison industrial complex's global reach. Consequently, the course gives students the opportunity to examine one of the most pressing social issues of our time. We will focus our study of cultural constructions of crime and punishment in three different rhetorical cultures: public discourse, prisoners' discourse, and prison activism discourse. These three arenas map onto the three units of the course: 1) Crime and Punishment in the Cultural Imagination; 2) Crime and Punishment in the Prisoners' Imagination, and 3) From Criminal Justice to Transformative Justice.

Prerequisites: CMST 1600, CMST 1700, either CMST 2400 or CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CMST 3450 Rhetoric of Social Movements (4 semester hours)

The purpose of this course is to facilitate a critical and practical awareness of rhetoric's relationship to social change. As such, this class is both theoretical and practical. This class will analyze individual and group rhetorical strategies and tactics, and consider the utility of these strategies in relation to groups that are attempting to create social change.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3451 Disability Justice (4 semester hours)

This course will cover the history of the disability rights and justice movement through an engaging approach, where students will have the opportunity to interact with landmark cases and apply principles of intersectionality in real-world scenarios. All types of disabilities will be studied including physical, mental, and invisible. The course examines societal barriers to justice and explores the contextual relationship within social structures such as schools, jails, foster care, government, and the media. In addition, theoretical considerations will be given to various topics such as eugenics, selective abortion, sterilization, and the justification of inequality.

Junior or Senior standing.

Majors only. Must be completed with a grade of C (2.0) or higher. Course counts toward Four Advanced Topics Courses requirement.

CMST 3453 Snarling Citizens, Media & Dissent (4 semester hours)

This course explores the relationship between media justice and the creation of socially just, sustainable communities. Students learn how to identify propaganda and other systemic barriers to equity that threaten human and ecological well-being. Student also learn how to advocate for social change in climates that stifle dissenting viewpoints by studying the communication strategies and concepts of "snarling citizens" – artists, activists, and media justice advocates who defy public norms and/or public policy in order to work toward racial, gender, and environmental justice.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3455 Public Advocacy and Activism (4 semester hours)

This course will fuse theory and practice through the lenses of public policy and activism/advocacy. Students will refine their persuasive speaking/writing skills, put theory into practice via hands-on fieldwork, hone leadership/motivational abilities, be inspired by the rich history of student-led activism and resistance, research and develop communication strategies for (re)framing of issues, and empower themselves to work for a better tomorrow for all.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3460 Gender, Sexuality, and the Media (4 semester hours)

This course explores ways in which mass media help form, reproduce, and challenge our understanding of gender and sexuality. As a culture saturated with media institutions, we cannot remain untouched by their reach, and consequently, their ideas about what it means to be masculine, feminine, transgendered, racially marked, heterosexual, bisexual, lesbian, gay, queer, or sexually fluid. The course explores how gender and sexuality become normalized through mass media, and what makes possible the disruption of certain constructions of gender or sexuality.

Prerequisites: CMST 1600, CMST 1700, either CMST 2400 or CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3470 Primetime Crime (4 semester hours)

This course is a media criticism course focused on the genre of television crime programs. It explores various sub-genres including the detective story, forensic scientists show, the cop show, and the mafia story. It also explores the transnational circulation of this genre in American, European, and Australian contexts. As we explore this genre historically from early radio programs to digital platforms like Netflix, we will consider changes in the television landscape that impact both our TV consumption and the place of crime stories in our lives.

Prerequisites: CMST 1600, CMST 1700, either CMST 2400 or CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3480 Visual Communication (4 semester hours)

This course helps students cultivate visual literacy in order to better navigate a world of increasing visibility. By adopting a rhetorical perspective toward visual communication, the course examines images designed to persuade and constitute audiences. In the process we will explore the role of visual communication in shaping public opinion, cultural values, and laws.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: FLAG: Engaged Learning.

University Core fulfilled: INT: Interdisciplinary Connections.

CMST 3490 Advanced Topics in Rhetoric (4 semester hours)

Seminar addressing selected, advanced topics in rhetorical studies.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

May be taken twice for degree credit if subject/title differ.

CMST 3501 Applied Media Production (1 semester hour)

A media production skills course in topics ranging from video production to podcasting.

Prerequisites: CMST 2500, CMST 2510

DMCI Minors Only. Must be completed with a "C" or better.

CMST 3510 Wires and Empires (4 semester hours)

In this course, students will first be introduced to key international communications theories and will then be asked to consider whether the introduction of Web 2.0, inexpensive mobile technology, and other recent digital media advances are reinforcing or disrupting existing patterns of globalization.

CMST Major Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

CMPR Minor Prerequisites: CMST 2900 and CMST 3900.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

CMST majors and CMPR/DMCI minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3515 Global Media and Popular Culture (4 semester hours)

This course introduces the historical and contemporary issues around communication and communication practices within a global context. It first situates global communication within a historical context and analyses different theoretical and practical contexts that regulate the flow and use of communication, culture, and technology. Then, it offers case studies of regional communication practices (Sub-Saharan Africa, Asia, Middle East and North Africa, Latin America) to show where they converge and how they differ. These case studies also highlight the power structures existing in the flow and distribution of communication and culture from the North to South and within regions. The objectives are for students to understand and examine critically, inequalities within communication and cultural flows and how (mis) representations affect people's perception of self and of others. In addition, how people from other cultures are informed, react to, and construct images or identities of themselves and of others.

Prerequisites: CMST 1600, CMST 1700, CMST 2500

CMST Majors and DMCI Minors ONLY. Must be taken with a grade of "C" or better.

CMST 3520 Digital Self (4 semester hours)

Our central question in this course will be: what's the nature of online identity? In this class, we'll explore that question through examining: theoretical approaches to self and society, arguments for and against technological determinism, technology's contested impact on civic engagement and community, and the profound influence of digital marketing and digital marketing research tools on consumers-as-brands.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

Majors and minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3522 Media Affect (4 semester hours)

This class invites you to think about the media as a cocktail of affects and emotions. We will think with several social, cultural, and media theorists to understand how the media produce, magnify, and sell various affects and emotions. And we will discuss how media affects are often manufactured and experienced in contradictory forms, such as guilty pleasure, cuteness, and anti-fandom. We will explore a wide range of media, including news, film, television, and digital culture, paying particular attention to how media affects signify, reinforce, or subvert power structures.

Prerequisites: CMST 1600, 1700, 2500

CMST Majors and DMCI Minors Only. Must be completed with a grade of "C" or better.

CMST 3525 Social Media Management (4 semester hours)

This course explores the origins of social media and how it shapes our interactions with brands, people, and governments.

CMST Major Prerequisites: CMST 1600, CMST 1700, CMST 2500 and CMST 2800.

CMPR Minor Prerequisite: CMST 2900 and CMST 3900.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

CMST majors and CMPR/DMCI minors only.

Must be completed with a grade of B (3.0) or higher.

CMST 3530 Digital Rhetoric (4 semester hours)

This course focuses on analyzing how technologies alter audience, author, text, rhetorical strategies, message, and channels of communication. Students will become better versed in criticism and consumption of digital texts and media.

CMST Major Prerequisites: CMST 1600, CMST 1700, either CMST 2400 or CMST 2500, and CMST 2800.

CMPR Minor Prerequisites: CMST 2900 and CMST 3900.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

CMST majors and CMPR/DMCI minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3535 Digital Culture's Dark Side (4 semester hours)

Drawing from Computer Science, Political Science and Communication Studies, this class examines the multiple lenses through which those pernicious, dangerous, unavoidable aspects of our digital life: misinformation, disinformation, radicalization, and conspiracy have been understood. Students will be expected to engage critically with these topics.

Prerequisites: CMST 1600, CMST 1700, CMST 2500

CMST Majors and Minors only.

Must be completed with a grade of "C" or better.

University Core fulfilled: IINC INT: Interdisciplinary Connections

CMST 3540 Environmental Communication (4 semester hours)

Seminar focusing on issues of environmental conservation and justice from a communication studies perspective.

Prerequisites: CMST 1600, CMST 1700, either CMST 2400 or CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3545 Immersed in Urban Oil: Documenting Los Angeles Petrocultures (4 semester hours)

Immersed in Oil is a course focused on documenting the oil infrastructures of LA County and producing a publicly accessible and immersive archive of research about the communities that inhabit local oil fields. In this course, teams of Journalism and Communication Studies students will document historic and contemporary oil refining and production practices and the social and environmental problems created by the petroleum industry in Los Angeles. Students will create a digital archive on a specific Los Angeles oil field: its history, oil infrastructure and records of public safety and environmental racism in relation to the communities that live on the field and adjacent to it. In the process of creating their digital archive, students will develop familiarity with an interdisciplinary skill set drawing on Communication theory, news reporting, documentary and immersive storytelling skills, archival research and VR/AR journalism.

Prerequisites: CMST 1600, CMST 1700, CMST 2500 and CMST 2800.

Juniors and seniors only.

CMST majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3550 Documentary in the Digital Age (4 semester hours)

This class outlines the evolution of the practices, technologies, and ethics of visual documentation as a means to understand how documentary filmmaking is being changed in and through digital media. The class will move historically through the development of documentary media beginning with early ethnographic films and documentaries. At each point in this history we will reflect on technological, social, and political shifts in filmmaking. Students will be expected to conceive of and execute a short documentary film project in small groups and will be asked to reflect on how their film engages with the theoretical topics discussed in this course. Training on the basics of filmmaking will be provided in class, though students will also be expected to master these skills through practice outside of class.

CMST Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

Majors and Minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3551 Digital Media (4 semester hours)

This class explores the technologies and infrastructures of digital media and considers their broader social implications. We will review several key digital media theories and manipulate code and platforms to critically examine the relationship between formats and contents. Our goal is to provide you with both the practical skills and critical language to manage various forms of digital media, including websites, video games, social media, and generative AI. Although some topics are technical, no prior technical knowledge is needed.

Prerequisites: CMST 1600, CMST 1700, CMST 2500

CMST Majors and DMCI Minors only. Must be completed with a grade of "C" or better.

CMST 3555 Sound Studies: The Art of Podcast (4 semester hours)

This course will introduce students to cultural, technological and historical understandings of the podcast as an art form and will also cover theories of sound in Media Studies. Students will learn the basics of capturing and editing audio, and crafting stories. And they will display these skills in the final project for the course: a multi-media podcast, designed, planned and produced in groups.

CMST Prerequisites: CMST 1600, CMST 1700, CMST 2500, CMST 2800.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

CMST majors and DMCI minors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: EXP: Creative Experience.

CMST 3557 Project Citizen: Digital Storytelling (4 semester hours)

In this course, students will examine political divides in America by identifying and interviewing stakeholders in a locale (purview) different from their own to better understand opportunities and possible solutions for a return to more civil discourse. As part of this process, students will develop original video and audio documentary content examining how issues, political and cultural, play in and across different regions and populations in our deeply divided country. Through a combination of theory and praxis, we will explore and practice the essential role of journalism and digital storytelling in America's democratic experiment. Students will learn key media production skills and have the opportunity to shoot and edit video, conduct interviews for video and podcasts, draft compelling written content, and market their stories.

Junior or Senior standing.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3560 Mass Communication Law & Regulation (4 semester hours)

This course will review major legal issues affecting mass communication, including journalism, public relations, and broadcasting. Issues discussed will include: First Amendment freedoms, libel/ slander, rights of privacy and the media, obscenity, regulations specifically relating to broadcasting and the Federal Communication Commission, regulations specifically relating to advertising, and copyright laws. Major cases pertinent to each topic will be studied in an attempt to help the student understand why the law is as it is. Ethical considerations will be discussed throughout the course.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, CMST 2800.

Juniors and seniors only.

CMST majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3565 Business of Media (4 semester hours)

The course will develop an understanding of the business side of the media industry. We will look at economic models for publications and media companies and consider the future of media and journalism in the digital age. This exploration will be conducted through the lens of power and privilege. Mass communication is described as one to many message delivery. In this class, you will also learn about the one in that description. The concept of power and privilege in modern society will be infused into an exploration of the firms and people who own and operate media outlets. You will see how that ownership has been consolidated through mergers enabled by changes in laws and regulations brought about through the influence of those firms and people. We will look at efforts to make media egalitarian and the dropping of barriers to entry in the digital age.

CMST Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

Majors and minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3566 Media Entrepreneurship (4 semester hours)

This course will teach students how to build a personal brand and to think about organizing and applying their skill sets into a future media business. If you want to be your own boss, this class will guide you through the steps it takes to establish yourself and the various business models used in media and journalism. This course will explore how these structures dictate the current media landscape and what new models might exist in the future.

Junior or Senior standing.

Majors only.

Must be completed with a grade of C (2.0) or higher.

Course counts toward Four Advanced Topics Courses requirement.

CMST 3570 Critical Issues in Journalism (4 semester hours)

This interdisciplinary course offers a critical, cultural studies analysis of ethical and representational issues in digital, broadcast, print, and other modes of media. We will examine legal and ethical issues in journalism through the lens of historical and contemporary news and popular culture, political economy of mass communication, and legal and organizational case studies. Key themes will arise repeatedly throughout the semester, including ethics, free speech, digitalization, representation, privacy, public sphere, transparency, bias, agenda-setting and priming, media effects, regulation of the media, the tabloidization of the news and political culture, objectivity, professionalization, and the importance claims to facts. Our discussions will be circular, not linear" meaning, we will look at where and how these issues intersect. Our focus will not be to find answers to the problems facing journalists today, but to raise questions about where we as news producers and consumers have come from and where we go from here.

Major Prerequisites: CMST 1600, CMST 1700, CMST 2500, CMST 2800.

Juniors and seniors only.

CMST majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: INT: Ethics and Justice.

CMST 3571 The Rise of Cable News: From CNN to YouTube (4 semester hours)

This course will trace the cultural, political, and technical development of cable TV news and its prominence in the late twentieth century. The course will also address pre-cable and post-broadcast paradigms to develop a broad historical lens for understanding the influence of policy, technology, and political climate in the creation and performance of news.

CMST Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

Majors and minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3575 Citizen Media (4 semester hours)

This course will look at the cultural, political, and technological significance of the rise of "'citizen media'" and its expression in constructs of 'alternative media' 'participatory culture' and 'user-generated'.

CMST Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

DMCI Minor Prerequisites: CMST 2500 and CMST 2510.

Juniors and seniors only.

CMST majors and DMCI minors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3580 Communicating Space and Place (4 semester hours)

Historically, the evolution of communication technologies has had a profound effect on the organization of urban space. Scholars from W.E.B. DuBois to Manuel Castells have theorized about the relationship between practices of communication and the urban space. The tension between structure and agency, proximity and distance, weak ties and strong ties, the familiar and the stranger, difference and indifference, are all spatial issues that drive the need for more critical communication practices. This course will take an interdisciplinary approach to the relationship between the built environment, through concepts of space and place, and practices of communication like digital storytelling, journalism, and cartography. Through a service-learning, students will partner with LA Commons, a community storytelling non-profit organization located in the Leimert Park neighborhood to create narrative media projects that reimagine neighborhoods through the stories of residents. These projects serve as counter narratives to dominant, administrative, and disparaging characterizations of South-Central LA. Student will participate with community member in developing and creating these projects and apply their communication studies and journalism scholarship and personal experience in service of social justice within the broader LA community.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3585 Media Ethnography (4 semester hours)

This course introduces students to the research method of media ethnography by providing students with a series of readings and projects that understanding of how historical and contemporary ideologies, national politics and economic interests are embedded in the mediascapes/media representations that surround us. Students will learn to collect ethnographic data on media practices and critically analyze the material while reflecting on the ethical aspects of conducting research. Students will learn to tell compelling stories, and produce media content linked to the themes and concepts of Media Ethnography.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3590 Advanced Topics in Media Studies (4 semester hours)

Seminar addressing selected, advanced topics in media studies.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

May be taken twice for degree credit if subject/title differ.

CMST 3630 For the Love of the Game (4 semester hours)

This class will explore the intersections of sport, gender, and culture. The class will focus on legislation (such as Title IX) as well as the rules, norms, rites, and rituals that surround sports in our society.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3640 Popular Culture and the Law (4 semester hours)

This course will examine the relationship between varying forms of modern and historical media, and American Jurisprudence. We will explore the depiction and role of lawyers, jurors, and litigants, as well as differing genders, ethnic and socio-economic groups in the law. Students will study texts, film, and other productions, and participate in interactive lectures and written analysis of ethical issues, the legal process, and social justice.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3650 Performance, Culture, and Sexualities (4 semester hours)

This course will examine the many ways in which performance exists and operates in our culture with a focus on personal narrative, ethnographic fieldwork and literature. In addition, there will be a focus on deconstructing sex, gender, and sexuality as rich sites of theoretical interpretation and performative interaction.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3660 Making Social Worlds (4 semester hours)

How one acts during "critical moments" can change the world. This course is designed to help you apply everything that you have learned and will learn about human communication. A particular focus of this course will be on the Coordinated Management of Meaning (CMM). We will explore how this theory can be used to improve communication in a wide variety of contexts, from interpersonal relationships, to workplace communication, to public dialogue and political discourse.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3670 Communication Theory and Popular Culture (4 semester hours)

In this course students investigate how different cultural forms communicate ideas about the world and about ourselves. We will begin by grounding ourselves in communication and rhetorical theory so that we have lenses through which to analyze texts. We will then discover what makes something popular culture; how various forms of pop culture shape and represent "reality" and social life; why we consume popular culture in the way that we do; and how we will create, "play with," and participate in, a popular culture event ourselves.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

CMST 3671 Comix and the Graphic Novel (4 semester hours)

Students read graphic novels dealing with themes such as love, mystery, illness, and death. Students critique graphic novels and write the critique as a comic book (with endnotes) in which the student interacts with the characters(s) from the graphic novels chosen. You will tell a story that uses words and images. Students propose and plan a story, shoot photographs, and then produce the comix using Comic Life 3 technology.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: EXP: Creative Experience.

CMST 3710 Community Based Learning (4 semester hours)

Traditionally, community-based learning and service are distinct from courses of political action and social change. This course focuses on how hands-on community-based learning experiences and skills can act as a vehicle for just social change. Consequently, after the completion of this course, students will have garnered an understanding of the significant relationship between community-based learning, non-profit organizations, and social change. Students will gain hands-on experience in helping organizations create change from a social justice perspective. In so doing, students will gain Communication Studies theoretical and practical knowledge in the non-profit sector from community-based learning and social change perspectives.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3810 Advanced Forensics (4 semester hours)

This is an advanced course in argumentation and debate in which students apply communication concepts, theories, and research methods to address "real world" issues and problems in concrete contexts. In this course, successful students will be expected to analyze and adapt their messages based on specific audiences and contexts, capitalizing on their understanding of the complex and dynamic relationships between communicators, their messages, and their audiences in contexts which are challenging and time-bound. Students will be engaged in study of contemporary social, political, economic, and cultural issues. As debaters, students will be required to develop their group and community-oriented skills by working in teams on and off campus, and traveling to intercollegiate debate competitions as required and possible. Debate, by its nature, sharpens students' appreciation of the value of understanding multiple perspectives on issues, the importance of reflection on the underlying premises on which these perspectives are grounded, and the necessity to think critically about one's own value system. Further, debate teaches students to value the learning process, acknowledging that no one can know all there is to know and that all are ignorant of information that will enhance our capacity to understand more fully why someone else has come to a different conclusion about the facts and values being debated.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

Permission of instructor required.

CMST 3820 Communication Practicum (4 semester hours)

An internship will be secured prior to the start of the semester and take place during the registered semester. Students will intern for 80+ hours over the course of the semester. Communication Practicum is a CMST application class that provides students with an opportunity to gain practical experience in a communication-related field in preparation for obtaining a position after graduation. This course provides an opportunity for directed experiences in applying the principles and skills of communication theory while performing specific tasks in the workplace. Students will be able to continue to explore and develop career interests and talents while participating in the internship setting, experience networking, and learn transferable workplace skills.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only. Majors only. Must be completed with a grade of C (2.0) or higher.

University Core fulfilled: FLAG: Engaged Learning.

CMST 3830 Communication and Legal Practice (4 semester hours)

This course brings the legal trial to the classroom, providing students an opportunity to incorporate an array of communication principles and skills with the experience of trial practice.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3840 Mediation and Communication (4 semester hours)

Mediation is a process that depends on a great deal of communication savvy; whether you are participating as the mediator, a lawyer, or as a client, understanding the communication principles that are at work in the give-and-take of mediation can help you achieve more satisfying results. In this class we will focus on principles of negotiation, based on a communicative understanding of conflict, persuasion, and situation analysis.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3855 Media Sport Culture Ethics (4 semester hours)

Media, Sport, Culture, Ethics is an interdisciplinary undergraduate research and writing intensive seminar that explores key topics concerning the social impacts and ethical intersections of media, sport, and consumer culture. The course explores the increased roles that two mutually reinforcing trends mediatization and sportification have come to play in our cultural milieu, and more specifically, in ethically problematic promotional market logics pervasive in consumer capitalism. The course situates theoretical and conceptual thrusts from three distinct but complementary disciplines sport studies, media studies, and ethics studies to bridge foci on (1) sport from a sociology of sport lens, (2) sport media from a communication of sport lens, and (3) ethics from a commodification of sport lens. The lenses are integrated in assessing the consumer culture intermix of sport and media amidst promotional and marketing logics.

Junior or senior standing required for registration.

University Core fulfilled: INT: Interdisciplinary Connections.

CMST 3860 Entertainment Management and Communication (4 semester hours)

This course focuses on the traditional organizational "models" in order to describe various structures and the functions of typical executives/managers within their organizations and within the industry. In addition, the course examines digital media and how these media intersect with traditional models.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3900 Principles of Public Relations (3 semester hours)

This course introduces students to the ways in which sub-fields within communication studies relate to the field of public relations. Specific topical areas include the relationships among public relations and; 1) rhetoric; 2) media/social media; and 3) social-scientific approaches to persuasion. This course also addresses information gathering and information literacy skills as relevant to the field of public relations.

CMPR minors only.

Must be completed with a grade of B (3.0) or higher.

CMST 3910 Writing for Public Relations (3 semester hours)

This course provides an overview of how effective public relations writing can help organizations to communicate, influence opinion and create change. The course will emphasize the importance of understanding an organization, its goals and objectives, target audience and culture to strategically and effectively communicate through writing.

Prerequisite: CMST 2900 and CMST 3900.

CMPR minors only.

Must be completed with a grade of B (3.0) or higher.

CMST 3920 Public Relations Strategies (3 semester hours)

This course explores the conceptual and strategic foundations of public relations and marketing. The course examines how to effectively communicate with consumers, create preference for products, and change consumer behavior.

Prerequisites: CMST 2900, CMST 3900 and CMST 3910.

CMPR minors only.

Must be completed with a grade of B (3.0) or higher.

CMST 3930 Business and Professional Communication (4 semester hours)

This course is designed to inform you of the fundamentals of how communication operates in professional and business environments. Learning to communicate ideas clearly and concisely is critical to success in the workplace. This course will also provide you with the foundation to achieve your professional goals and aid you in the next step of your career development. Upon completion of this course students will be able to: 1) deliver a variety of business presentations; 2) demonstrate proficiency in facilitating meetings and team development; 3) indicate knowledge and skills in conflict management; 4) understand the fundamentals of the interview process as well as develop a resume and cover letter; and 5) optimize social media profiles for success in the workplace.

Juniors and seniors only.

CMPR majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 3980 Internship for CMST Minor Programs (1 semester hour)

This course provides students with the opportunity to gain practical experience in a field related to content in CMST minors. Students must have secured an internship prior to the start of the semester and have consent of the Program Director to register for this course. May be repeated once for credit.

Prerequisites: CMST 3900 or CMST 2510.

CMPR and DMCI minors only.

Must be completed with a grade of C (2.0) or higher.

May be repeated once for credit.

CMST 3998 Special Studies (1-4 semester hours)

Juniors and seniors only.

Majors only.

CMST 3999 Independent Studies (1-4 semester hours)

Juniors and seniors only.

Majors only.

CMST 4150 Relational Communication Capstone (4 semester hours)

This capstone course examines advanced relational communication theories and their application to various contexts. Requires substantial original research.

Prerequisites: CMST 2100 and either one course within the CMST 3100-3195 range or CMST 3325.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 4250 Intercultural Communication Capstone (4 semester hours)

This capstone course examines advanced intercultural communication theories and their application to various contexts. Requires substantial original research.

Prerequisites: CMST 2200 and either one course in the CMST 3200-3295 range or CMST 3192.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 4350 Organizational Communication Capstone (4 semester hours)

This capstone course examines advanced organizational communication theories and their application in various contexts. Requires substantial original research.

Prerequisites: CMST 2300 and either one course in the CMST 3300-3395 range or CMST 3180.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 4450 Rhetoric Capstone (4 semester hours)

This capstone course examines various ways rhetorical theories may be applied to discourse in order to highlight methods of rhetorical criticism. Requires substantial original textual analysis.

Prerequisites: CMST 2400 and either one course in the CMST 3400-3495 range or one of the following courses: CMST 3110, CMST 3330, CMST 3350, CMST 3530, or CMST 3540.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 4500 Media Studies Capstone (4 semester hours)

This capstone course examines advanced media studies theories and their application to various contexts. Requires substantial original research.

Prerequisites: CMST 2500 and either one course in the CMST 3500-3595 range or one of the following courses: CMST 3430, CMST 3460, or CMST 3470.

Juniors and seniors only.

Majors only.

Must be completed with a grade of C (2.0) or higher.

CMST 4999 Independent Studies (1-4 semester hours)

Juniors and seniors only.

Majors only.

DANC 100 Orientation to Dance (1 semester hour)

An introduction to the discipline of Dance for dance major. Course topics include health and wellness, student life at LMU and important programs offered throughout the campus as they relate to the dance artist and their career goals in performance, choreography, and teaching. The course will also provide alum connections, an introduction to the L.A. dance community, and other important aspects of both the Dance major and the larger field of dance.

Majors only.

May be repeated for degree credit up to 2 times.

Offered Fall Semester.

DANC 102 Modern/Contemporary Dance I (0-2 semester hours)

Fundamental movement techniques in the idiom of modern, post-modern, and contemporary forms.

May be repeated once for degree credit.

DANC 120 Ballet I (0-2 semester hours)

Barre and center work for alignment, strength, flexibility, and coordination. Introduction to ballet terminology, aesthetics, and study of fundamentals of style and history.

May be repeated once for degree credit.

DANC 142 Jazz Dance I (0-2 semester hours)

An introduction to the art of jazz dance. Emphasis on fundamental alignment and rhythmic skills as well as styling. Study of the aesthetics of entertainment.

May be repeated once for degree credit.

DANC 144 Tap Dance I (0-2 semester hours)

An introduction to tap dance and its history. Focus on specific skills in tap dance involving vocabulary, keeping time, music theory, and rhythm.

May be repeated once for degree credit.

DANC 160 Fundamentals of Dance Composition I: The Choreographic Process (3 semester hours)

Principles of the choreographic process in relation to movement invention, choreographic devices, choreographic craft, presentation, feedback, and reflection. Groundwork in aesthetics and compositional theory.

Dance majors and minors only.

Offered Fall Semester.

University Core fulfilled: Explorations: Creative Experience.

DANC 161 Fundamentals of Dance Composition II: Dance Improvisation (3 semester hours)

Continuation of DANC 160 with an emphasis on dance improvisation as a choreographic practice and in performance.

Dance majors and minors only.

Offered Spring semester.

DANC 163 Introduction to Choreography (3 semester hours)

An introduction to dance composition for the non-major. Exploration of space, time, and energy through movement, sound, and text.

University Core fulfilled: Explorations: Creative Experience.

DANC 174 Introduction to Yoga (1 semester hour)

An introduction to the theory and practice of yoga through exercise, meditation, and selected readings.

DANC 183 Stagecraft for Dancers (1 semester hour)

Introduction to basic principles of lighting, costuming, and production management.

Offered Spring semester.

DANC 198 Special Studies (0-2 semester hours)**DANC 199 Independent Studies (1-3 semester hours)****DANC 202 Modern/Contemporary Dance II (0-2 semester hours)**

Increased emphasis on energy, range, and expression. Complex rhythmic patterns and movement designs are explored. Introduction to performance technique and study of historical context and aesthetic principles.

Corequisite: DANC 253.

May be repeated once for degree credit.

Audition: First class meeting.

Lab fee required.

DANC 220 Ballet II (0-2 semester hours)

Learning to execute the vocabulary of ballet movement with technical accuracy. Beginning combinations across the floor. Continuation of study of history and aesthetics of the ballet style.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 222 Fundamentals of Ballet Technique (0-2 semester hours)

The study of the dynamics, line, skillful execution, and expressive performance of Ballet for students with beginning to intermediate experience with the form.

Majors/minors only.

May be repeated once for degree credit.

Lab fee required.

DANC 242 Jazz Dance II (0-2 semester hours)

Study of the fundamental stylistic qualities and tenets of jazz dance.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 244 Tap Dance II (0-2 semester hours)

Continuation of DANC 144. Increased focus on musicality.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 248 Musical Theatre Dance I (0-2 semester hours)

Study of the fundamental dance and performance skills associated with musical theater dance.

DANC 253 Pilates for First Year (0-1 semester hours)

Supplemental training for first year students with goals of improving technique and performance while limiting risk of injury.

Laboratory course.

Corequisite: DANC 202 Modern/Contemporary II.

May be repeated once for degree credit.

DANC 260 Laban Movement Analysis: Applications for Dance Making (3 semester hours)

Study of Rudolf Laban's method of systematic description of qualitative change in movement. Application in choreography, in teaching and in learning movement.

Prerequisites: DANC 160 and either DANC 161 or DANC 163.

Dance majors and Dance minors only.

University Core fulfilled: Flag: Quantitative Reasoning.

Offered Fall Semester.

DANC 262 Dance Styles and Forms (3 semester hours)

Exploration of dance composition based on styles of noted choreographers. Study of dance compositional forms. Theory and practice as modes of study.

Prerequisites: DANC 160 or DANC 163; DANC 161 and DANC 260.

Offered Spring Semester.

DANC 281 History of Dance Theatre (3 semester hours)

An interrogation of the social, gendered, anthropological, sexual, technical, and historical constructions around and within Western European dance with emphasis on new narratives of inclusion.

For DANC majors and minors only or by permission of instructor.

Offered Spring semester.

DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society (3 semester hours)

A study of dance as a cultural, political and socio-economic phenomena. Dance forms and practices from diverse communities and groups in the United States, including their historical and cultural origins and current contexts, will form the focus of study.

Majors/minors only or by permission of instructor.

University Core fulfilled: Foundations: Studies in American Diversity.

Lab fee required.

DANC 291 Equitable Commercial Dance: Learning Community (0-1 semester hours)

An embodied study of commercial dance through the lens of inclusivity and that prioritizes equitable practices. Classes will be taught by guest teachers from the L.A. commercial dance industry and will include dance technique and career advising

Audition: First Class Meeting.

May be repeated once for degree credit.

Lab fee required.

DANC 298 Special Studies (0-3 semester hours)**DANC 299 Independent Studies (1-3 semester hours)****DANC 302 Modern/Contemporary Dance III (0-2 semester hours)**

Continuation of DANC 202. More complex rhythmic patterns and movement design. Concentrated work on performance and projection techniques. Dance films and study of current research on dance criticism.

Audition: First class meeting.

May be repeated once for degree credit.

Lab fee required.

DANC 320 Ballet III (0-2 semester hours)

Continuation of DANC 220 and/or DANC 222. Variations from the repertory of classic ballet. Familiarity with the music, scenarios, and staging of several traditional ballets. Dance films and study of current research on dance criticism.

Audition: First class meeting.

May be repeated once for degree credit.

Lab fee required.

DANC 323 Intermediate/Advanced Ballet (0-2 semester hours)

Continuation of DANC 220, 222, and 320. Augmented work in ballet technique and performance.

Audition: First class meeting.

May be repeated 3 times for degree credit.

Lab fee required.

DANC 342 Jazz Dance III (0-2 semester hours)

Focus on styling and performance. Theoretical study of selected jazz dance artists and the impact of film and video on jazz dance.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 344 Tap Dance III (0-2 semester hours)

A continuation of DANC 244. Focus on developing better skills, exploring rhythms, and mastering ability to keep time and phrase rhythms.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 345 Jazz Dance IV (0-2 semester hours)

Continuation of DANC 342. Emphasis on study of jazz dance, hip hop, funk, and other dance styles used in commercial/media dance.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 347 Hip Hop: Collective Rhythms (0-2 semester hours)

Study of hip hop as a cultural dance form.

May be repeated up to seven times. Students may only earn up to 8 credit hours across all instances of the course.

DANC 348 Musical Theatre Dance II (0-2 semester hours)

Continuation of DANC 248. Practice of the dance technique and performance skills associated with musical theatre. Study of music, costuming, and acting dimensions of musical theatre dance.

Audition: First class meeting.

Majors/minors only.

DANC 353 Dance Conditioning (0-2 semester hours)

Laboratory courses using specialized training modalities selected from Pilates. Pilates Lab is a laboratory course using the Pilates Reformer as the primary instructional apparatus. Pilates Mat is a laboratory course based on the Pilates mat exercise method of training.

May be repeated up to seven times. Students may only earn up to 8 credit hours across all instances of the course.

DANC 363 Multiples Ways of Knowing and Showing: Music and Dance (3 semester hours)

This course will introduce students to fundamental principles and concepts in Music and Dance. Students will study the elements of Music and Dance and engage in creative expression. They will investigate each art form as a discrete discipline, and they will investigate how these art forms integrate with each other as well as with other subjects in the pre K-12 curriculum (e.g., reading, mathematics, sciences, and social studies). The course emphasizes learning using multiple intelligences (Musical Intelligence, Bodily-Kinesthetic Intelligence, Existential Intelligence, and Social-Interpersonal/Intrapersonal Intelligences, along with Verbal-Linguistic, Mathematical, and Visual-Spatial Intelligence). Students will focus on these intelligences as discrete and diverse ways of knowing and expressing facts, concepts, and feelings. They will also practice integration of these intelligences experiencing the possibilities of the potential synergy when these intelligences work in concert with each other.

Sophomores, juniors, and seniors only.

Meets Liberal Studies Credential requirement.

Lab fee required.

Offered Spring semester.

DANC 364 Multiples Ways of Knowing and Showing: Laboratory (1 semester hour)

Practicum for DANC 363.

Offered Spring semester.

DANC 371 Martial Arts (0-2 semester hours)

Study of Tae kwan do, Hap Ki Do, Kuk Sool, or other selected martial arts styles.

May be repeated once for degree credit.

Lab fee required.

DANC 374 Yoga I (0-2 semester hours)

Theory and practice of yoga through exercise, meditation, and selected readings.

DANC 375 Yoga II (0-2 semester hours)

Continuation of yoga practice begun in Yoga I.

Prerequisite: DANC 374.

DANC 376 Yoga for Dancers (0-2 semester hours)

Yoga practice particularly designed for those pursuing in-depth dance technique training.

Majors only.

DANC 377 Dance Production (0-1 semester hours)

Serving as crew member for 30 hours of Dance Production work in the areas of lighting, publicity, costuming, staging, and/or related fields.

DANC 378 Service Project (1 semester hour)

Completion of a service project on campus or in the community.

DANC 379 Dance Tour Group: Teaching and Performance in the Field (0-3 semester hours)

Performance groups who choreograph, produce, perform, and teach on campus and select K-12 schools, dance studios, community centers, and other venues off campus.

May be repeated for degree credit up to 4 times.

DANC 380 Introduction to Music (3 semester hours)

Study of the elements of music theory and history which are common to dance and music.

Sophomores, juniors, and seniors only.

Majors/minors only.

DANC 382 Djembe Drumming (2 semester hours)

An introduction to the techniques and rhythms of West African djembe drumming

DANC 385 Movement Arts for Children (3 semester hours)

Movement Arts experience ("new games," dance, sport) and study of the child's physical and motor development. Designed as pre-service Elementary School teacher training.

Meets Liberal Studies Credential requirements.

Offered Fall semester.

DANC 387 Dance as Social Action (0-3 semester hours)

Theoretical, practical, and artistic exploration of Dance as a cultural phenomenon and its role in social change.

Prerequisites: DANC 102 or DANC 202, and DANC 281 or DANC 282.

Majors/minors only or by permission of instructor.

University Core fulfilled: Flag: Engaged Learning (when taken for 3 semester hours).

DANC 388 Careers in Dance (1 semester hour)

Practical and theoretical study of dance-related careers.

Junior and Senior Dance majors only.

Lab Fee required.

DANC 397 Dance in Its Cultural Context (0-2 semester hours)

A study of a selected dance form as it is contextualized in its original time, place, social, and/or religious origin. Fulfills the World Dance requirement for Majors and Minors

May be repeated once for degree credit.

DANC 398 Special Studies (0-3 semester hours)**DANC 399 Independent Studies (0-3 semester hours)****DANC 402 Modern/Contemporary Dance IV (0-2 semester hours)**

Continuation of DANC 302. Study focuses on subtlety in energy, range, and expression, along with concentration of style, rhythmic patterns, and movement design. Dance films and study of current research on dance criticism.

May be repeated once for degree credit.

Audition: First class meeting.

Lab fee required.

DANC 403 Friday Dance Workshop (0-1 semester hours)

In-depth exploration of dance or performance technique and partnering.

Audition: First class meeting.

May be repeated for degree credit up to 7 times.

DANC 404 Modern/Contemporary Dance V (0-2 semester hours)

Continuation of DANC 402. Study focuses on increasing subtlety in energy, range, and expression, along with concentration on style, rhythmic patterns, and movement designs. Focus on style and professional work.

Prerequisites: DANC 102 or DANC 202, and DANC 302 and DANC 402.

May be repeated once for degree credit.

Lab fee required.

DANC 421 Pointe and Variations (0-2 semester hours)

Study of pointe work in ballet and reconstruction of variations from ballets of different periods.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 423 Ballet V (0-2 semester hours)

Continuation of DANC 420.

Prerequisite: DANC 320 or DANC 323 or DANC 420.

Audition: First class meeting.

May be repeated once for degree credit.

Lab fee required.

DANC 444 Tap Dance IV (0-2 semester hours)

A continuation of DANC 344. Focus on developing better skills, exploring rhythms, and mastering ability to keep time and phrase rhythms.

Audition: First class meeting.

May be repeated once for degree credit.

DANC 445 Jazz Dance V (0-2 semester hours)

Continuation of DANC 345. Emphasis on study of jazz dance, hip hop, funk, and other dance styles used in commercial/media dance.

By audition only.

May be repeated once for degree credit.

DANC 446 Jazz Dance VI (0-2 semester hours)

Continuation of DANC 445. Pre-professional emphasis including auditioning and career planning.

Prerequisites: DANC 242 or DANC 342, and DANC 345 and DANC 445.

Senior standing required.

By audition only.

May be repeated once for degree credit.

Lab fee required.

DANC 460 Dance Theory and Criticism (3 semester hours)

Formal seminar in philosophy of dance and aesthetic criticism.

Prerequisites: DANC 281 and DANC 282.

Senior standing required.

Majors only.

DANC 461 Senior Thesis: Project (3 semester hours)

An investigation of the creative process in relation to dance specific artistry. Preparation and development of senior thesis.

Majors only.

DANC 462 Mentorship: Senior Thesis (0-1 semester hours)

One-on-one guidance on the development and presentation of the Senior Thesis Project.

May be repeated once for degree credit.

DANC 479 Rehearsal and Performance (0-3 semester hours)

Format varies by semester. Auditioning, rehearsing, performing, and/or producing in the Dance Department main stage productions.

Majors and minors only.

May be repeated for degree credit up to 8 times, for a total of 12 semester hours.

University Core fulfilled: Flag: Engaged Learning.

DANC 480 Kinesiology for Dancers I (3 semester hours)

Fundamentals of anatomy, physiology, and biomechanics of movement. Applied to the teaching and performance of dance and to the care of the dancer.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

Offered in the Fall semester.

DANC 481 Kinesiology for Dancers II (3 semester hours)

Continuation of DANC 480.

Discusses the integration of the science of movement with the art of dance. Explores anatomy and biomechanics of the major joints of the human body.

Prerequisite: DANC 480 or HHSC 1550 or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

Offered in the Spring semester.

DANC 484 Principles of Teaching Dance (3 semester hours)

Theory and practice of effective dance instruction, including methods, lesson plans, and practice teaching of high school students and adults.

Prerequisites: DANC 102 and DANC 202, or DANC 202 and DANC 302, and DANC 160 or DANC 163.

Majors/minors only.

DANC 485 Internships (1-3 semester hours)

Work experience in teaching, health care, or business.

May be repeated once for degree credit.

DANC 487 Dance Media and Technology (3 semester hours)

Use of computer technology and other media in the making and performance of dance.

Lab fee required.

Alternate semesters.

DANC 489 Performance Techniques Workshop (0-1 semester hours)

An in-depth exploration of performance techniques in ballet, modern dance, jazz dance, and other selected dance genre.

May be repeated for degree credit up to 4 times (maximum 4 semester hours).

Lab fee required.

Offered Fall semester.

DANC 498 Special Studies (0-3 semester hours)

DANC 499 Independent Studies (1-3 semester hours)

DANC 1000 Introduction to Tap Dance (1 semester hour)

An introduction to tap dance and its history. Focus on specific skills in tap dance involving vocabulary, keeping time, music theory, and rhythm. May be repeated one time for degree credit.

Standard letter grade only.

Offered Fall semester.

DANC 1010 Orientation to Dance (1 semester hour)

Orientation to Dance will provide students with foundational knowledge, resources, and introductions to dance as a collegiate discipline and as a multifaceted career. Students will learn ways to foster success and sustainability in dance. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

Lab fee required.

Standard letter grade only.

Offered Fall Semester.

DANC 1072 Yoga I (1 semester hour)

Theory and practice of yoga through exercise, meditation, and selected readings.

Standard letter grade only.

Offered Fall semester.

DANC 1073 Yoga II (1 semester hour)

Continuation of yoga practice begun in Yoga I.

Prerequisite: DANC 1072.

Standard letter grade only.

Offered Spring semester.

DANC 1074 Yoga for Dancers (1 semester hour)

Yoga practice particularly designed for those pursuing in-depth dance technique training. The course may be repeated one time for credit.

Dance majors and minors only.

Standard letter grade only.

Offered Fall semester.

DANC 1080 Martial Arts (1 semester hour)

Study of Tae kwan do, Hap Ki Do, Kuk Sool, or other selected martial arts styles.

Standard letter grade only.

Lab fee required.

Offered Fall and Spring semesters.

DANC 1081 Dance Lineages (1 semester hour)

A study of a selected dance form as it is contextualized in its original time, place, social, and/or religious origin and in its contemporary practices. This course may be repeated one time for degree credit.

Standard letter grade only.

Lab fee required.

Offered Spring semester.

DANC 1098 Special Studies (0-4 semester hours)

DANC 1100 Hip Hop: Collective Rhythms (1 semester hour)

Study of hip hop as a cultural and commercial dance form. This course may be repeated one time for credit.

Dance minors only.
Standard letter grade only.
Lab fee required.
Offered Fall semester.

DANC 1110 Foundations in Dances of the West African Diaspora (1 semester hour)

The first course in the Hip Hop curriculum for the dance major, DANC 1110 is an introduction to the study of African dance, specifically dances of West Africa and the West African diaspora. This course lays the foundation for the study of Africanist movement aesthetics. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall Semester.

DANC 1121 Foundations of Hip Hop: Understanding the Bounce (1 semester hour)

The second course in the Hip Hop curriculum for the dance major, DANC 1121 explores the origins of hip hop movement as a form of resistance against the systemic and structural oppression of Black and Latine/Latino/Hispanic peoples. Students will learn foundational hip hop movement while developing an understanding of hip hop history with a focus on the critical periods of time in the development of the U.S. and popular culture. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisite: DANC 1110.
Corequisite: DANC 1521.
Standard letter grade only.
Dance majors only.
Offered Spring Semester

DANC 1200 Ballet for Non-Majors (1 semester hour)

Study of fundamental ballet movement with technical accuracy. This course may be repeated one time for credit.

Dance minors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 1210 Foundations of Ballet: Building Vocabulary (1 semester hour)

The first course in the Ballet curriculum for the dance major, DANC 1210 will focus on the acquisition and integration of the French terminology and the codified technical concepts of classical ballet, resulting in an understanding of the precision, coordination, control, strength, and efficiency in the execution of ballet. Students will also learn about the socio-historical positioning of ballet in development of Western concert dance. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall Semester.

DANC 1221 Foundations of Ballet: Form and Function (1 semester hour)

The second course in the Ballet curriculum for the dance major, DANC 1221 will continue to promote the understanding, acquisition and integration of terminology and codified technical concepts of classical ballet, focusing on the ways in which alignment and form affect the technical function and precision in ballet and vice versa. Students will continue to learn about the socio-historical positioning of ballet in Western concert dance. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1210.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring Semester.

DANC 1300 Contemporary Modern Dance for Non-Majors (1 semester hour)

Fundamental movement techniques in the idiom of modern, post-modern, and contemporary forms. This course may be repeated one time for credit.

Dance minors only.
Standard letter grade only.
Lab fee required.
Offered Fall semester.

DANC 1310 FND of Contemp. Mod: Cod. Tech (1 semester hour)

The first course in the Contemporary Modern curriculum for the dance major, DANC 1310 is an introductory course to modern dance. Students will learn basic movement principles and codified techniques from classical modern dance and apply them to more contemporary styles. Students will situate modern dance within the cultural and historical context of the turn of the 20th century and examine this embodied lineage. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Corequisites: DANC 1510.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall Semester.

DANC 1400 Musical Theater Dance I (1 semester hour)

Study of the fundamental dance and performance skills associated with musical theater dance.

This course may be repeated one time for credit.
Standard letter grade only.
Lab fee required.
Offered Fall semester.

DANC 1401 Jazz Dance Non-Majors (1 semester hour)

Study of the fundamental stylistic qualities and tenets of jazz dance. This course may be repeated one time for credit.

Dance minors only.
Standard letter grade only.
Offered Spring semester.

DANC 1403 Musical Theater Dance II (1 semester hour)

Continuation of DANC 1400, this course deepens the study of the dance technique and performance skills associated with musical theatre including music, costuming, and acting.

Pre-requisites: DANC 1400.
Standard letter grade only.
This course may be repeated one time for credit.
Lab fee required.
Offered Spring semester.

DANC 1411 Foundations of Jazz Dance: The Vernacular (1 semester hour)

The first course in the Jazz Dance curriculum for the dance major, DANC 1411 is designed to introduce students to a historically and culturally sensitive iteration of jazz dance. With an emphasis on communal movement practices and Black /African American / Latin social dances, this class will expose students to the Africanist aesthetics unique to jazz dance. In bringing attention to the complex and fractured lineage of jazz dance, students will gain a more holistic understanding of this dance form and its position inside and outside of the concert dance canon. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Dance majors only.
Standard letter grade only.
Offered Spring Semester.

DANC 1500 Dance Conditioning: Pilates Mat (1 semester hour)

Laboratory courses using specialized training modalities selected from Pilates.

This course may be repeated one time for credit.
Standard letter grade only.
Offered Fall and Spring semesters.

DANC 1501 Introduction to Meditation (1 semester hour)

In this course students will study mindfulness/sati and the practices that support them in that aim such as meditation, study of the teachings/ dharma and dialogue. The underlying process of this practice is to gradually rest in the power of one's awareness.

Standard letter grade only.

DANC 1510 Dance Conditioning: First-year Lab (1 semester hour)

This class provides supplemental training for the first-year dance major. The class aids the student in developing appropriate muscle strength and the skills of endurance, precision, efficiency of movement, and neuromuscular coordination, with the goal of improving dance techniques and aesthetic performance while limiting the risk of injury to the dancer. Discussions include attention to individual physical structure so that students learn to work safely within their physiological limits and maximize the ability to meet the choreographic demands of dance. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Corequisites: DANC 1310.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall Semester.

DANC 1521 Dance Conditioning II: First-year Lab (1 semester hour)

This class is a co-requisite of FND of Hip Hop: Understanding the Bounce in the spring semester and provides supplemental training for the first-year dance major. The class continues to develop the appropriate muscle strength and the skills of endurance, precision, efficiency of movement, and neuromuscular coordination, with the goal of improving dance techniques and aesthetic performance while limiting the risk of injury to the dancer. Discussions include attention to individual physical structure so that dancers learn to work safely within their physiological limits and maximize the ability to meet the choreographic demands of dance. This is a required course for the BA in Dance, the BA in Choreography and Performance and the BA in Dance Pedagogy and Social Action.

Corequisites: DANC 1121.

Dance majors only.

Standard letter grade only.

Offered Spring Semester.

DANC 1600 Djembe Drumming (1 semester hour)

An introduction to the techniques and rhythms of West African djembe drumming.

Standard letter grade only.

Offered Fall semester.

DANC 1610 Production Practicum (0 semester hours)

Students will engage in project-based learning in the areas of lighting, sound, publicity, costuming, staging, and/or related areas of theatrical production by serving as the technical crew for 30 hours of Dance Production work for the fall dance productions. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

Credit/No Credit only.

Offered Fall Semester.

DANC 1621 Lighting and Soundcraft for Dance (2 semester hours)

An introduction to the basic principles of lighting, sound, costuming, and production management. This course will address the basics of backstage terminology & vocabulary, theater organization, and technical elements involved in the production of dance. This course focuses on the collaboration and connections between the technical side and the artistic side of dance production. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

Standard letter grade only.

Offered Spring Semester.

DANC 1700 Introduction to Choreography (4 semester hours)

An exploration of space, time, and energy through movement, motion, and choreographic thinking. Dance training or dance experience is not required.

University Core fulfilled: Explorations: Creative Experience ECRE.

Standard letter grade only.

Offered Fall and Spring semesters.

DANC 1711 Dance Comp I: Creative Proc (4 semester hours)

The first course in the choreographic curriculum for the dance major, DANC 1711 is the practice of self-discovery. In this class, students will foster creative practices. Through these practices, dancers discover personal voice, expand their own movement vocabulary, and refine and & deepen their abilities to use nuance to shape movement quality. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

University Core fulfilled: Explorations: Creative Experience [ECRE].

Standard letter grade only.

Offered Spring Semester.

DANC 1810 Dance History I: Global Perspectives (2 semester hours)

Dance History I: Global Perspectives is a survey course focusing on non-western dance forms in their historical and cultural context. The course foregrounds an anti-racist approach and investigates the ways in which dance operates in various cultures and societies. Students will examine how dance is a mode of expression across the globe. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

Standard letter grade only.

Lab fee required.

Offered Fall Semester.

DANC 2001 Explorations of Tap Dance (1 semester hour)

Continuation of DANC 1000 Introduction to Tap Dance, with an increased focus on skill, musicality and history. This course may be repeated one time for degree credit.

Standard letter grade only.

Offered Spring semester.

DANC 2098 Special Studies (0-4 semester hours)**DANC 2099 Independent Study (1-4 semester hours)****DANC 2131 Explorations of Hip Hop: House, Club, and Party Dances (1 semester hour)**

The third course in the Hip Hop curriculum for the dance major, DANC 2131 explores hip hop dance through the development of social dances, party dances and club dances. It builds upon the notion of hip hop as a form of resistance, adding the concept of joy in the face of oppression. This course will look at social dances, party dances and club dances that arise from these centers while considering Afro-diasporic movement patterns and migrations. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1110 and DANC 1121.

Dance majors only.

Standard letter grade only.

Offered Spring Semester.

DANC 2230 Explorations of Ballet: Technical Progression (1 semester hour)

The third course in the Ballet curriculum for the dance major, DANC 2230 is for the dance student who already has a solid grasp of basic technical dance skills and the French terminology and is ready to tackle more advanced work. Students will begin to explore contemporary ballet styles as they differ from more classical styles. Throughout the semester, in addition to embodying the form, students will learn about the socio-historical development of ballet in the United States through an inclusive and diverse lens. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1210 and DANC 1221

Dance majors only.

Standard letter grade only.

Lab fee required.

Offered Fall Semester.

DANC 2320 Explorations of Contemporary Modern Dance: Bound Flow and Form (1 semester hour)

The second course in the Contemporary Modern curriculum for the dance major, DANC 2320 builds on the foundational principles and skills of modern dance and explores how these skills dovetail with the Laban (Rudolf von Laban) framework, also known as the basic elements of dance (body, space, effort, shape/relationship). Students will examine the use of movement codification and movement analysis in the development of modern and post-modern dance. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1310.

Dance majors only.

Standard letter grade only.

Lab fee required.

Offered Fall Semester.

DANC 2331 Explorations of Contemporary Modern Dance; Free Flow and Momentum (1 semester hour)

The third course in the Contemporary Modern curriculum for the dance major, DANC 2331 emphasizes efficiency in movement through use of weight and momentum. While continuing to gain strength and flexibility in the legs, arms, core, and feet, students will explore the use and harnessing of momentum in the execution of movement. Students will continue examining the socio-historical development from modern dance to contemporary. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1310 and DANC 2320.

Dance majors only.

Standard letter grade only.

Lab fee required.

Offered Spring Semester.

DANC 2420 Explorations of Jazz Dance: Codified Techniques (1 semester hour)

The second course in the Jazz Dance curriculum for the dance major, DANC 2420 builds on the student's understanding of both Eurocentric and Africanist aesthetics and is designed to expose students to codified jazz dance practices. Students will explore techniques developed by a diverse group of seminal figures in studio and concert jazz dance such as, but not limited to, Luigi, Matt Mattox, Gus Giordano, Lynn Simonson, Frank Hatchett, Katherine Dunham and Bob Fosse. This course will expand students' jazz dance vocabulary and will challenge students to better identify the core physical values and rhythmic complexities of the jazz idiom. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1411.

Dance majors only.

Standard letter grade only.

Offered Fall Semester.

DANC 2431 Explorations of Jazz Dance: Influences of Latin and African Diaspora (1 semester hour)

The third course in the Jazz Dance curriculum for the dance major, DANC 2431 examines the way in which culture, movement practices, aesthetics, and music from the Latin and African Diaspora have influenced jazz dance at certain moments in history. Students will be exposed to a sampling of dance vocabulary outside of the jazz idiom in collaboration with developing their exploration of the jazz dance tenets. This course will allow students to better understand and synthesize connections across disciplines through jazz movement vocabulary. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1411 and DANC 2420

Dance majors only.

Standard letter grade only.

Offered Spring Semester.

DANC 2500 Dance Conditioning; Pilates Lab (1 semester hour)

Pilates Lab is a laboratory course using the Pilates Reformer as the primary instructional apparatus. This course may be repeated up to seven times. Students may only earn up to 8 credit hours across all instances of the course.

Dance majors and minors only.

Credit/No credit grading only.

Offered Fall and Spring semesters.

DANC 2630 Music for Dance (2 semester hours)

In this course, dance students will study the elements of music theory and history as they relate to movement and choreography. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

Standard letter grade only.

Offered Fall semester.

DANC 2641 Service Project: Dance Production (0 semester hours)

This course deepens students' practical knowledge in the areas of theatrical lighting, sound, costuming, and/or publicity by guiding students through the hands-on application of these skills during spring dance department productions. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.
Credit/No Credit only.
Offered Spring semester.

DANC 2720 Dance Composition II: Improvising and Structuring (2 semester hours)

The second course in the choreographic curriculum for the dance major, DANC 2720 continues to nurture the choreographic explorations that began in DANC 1711. Having developed basic improvisatory skills involving movement invention and the heightening of reflexes and instinctive responses, students will now learn to develop improvisatory material. Students will use compositional tools to create choreography from improvisation, perform structured improvisations, and explore how improvisation can support creative processes for individuals and groups. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Prerequisites: DANC 1711.
Dance majors only.
Standard letter grade only.
Offered Fall semester.

DANC 2731 Dance Composition III: Transferring the Choreographic Voice (2 semester hours)

The third course in the choreographic curriculum for the dance major, DANC 2731 continues to develop dance-making skills and choreographic thinking by focusing on methods of transferring the concepts, aesthetics, and movement styles of the individual to the group. Students will learn to apply teaching methods, Laban Movement Analysis, and choreographic methods to create more complex pieces, moving from solo to group dances. The development of viewing, discussing, and writing about movement and choreography will be a key component of this course. This is a required course for the BA in Choreography and Performance only.

Prerequisites: DANC 1711 and DANC 2720.
Dance majors only.
Standard letter grade only.
Offered Spring semester.

DANC 2820 Dance History II: Deconstructing the Western Canon (4 semester hours)

This course interrogates the social, gendered, anthropological, sexual, technical, and historical constructions around and within Western European dance with emphasis on deconstructing old narratives and exploring new and more comprehensive narratives of inclusion. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Prerequisites: DANC 1810.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall semester.

DANC 2830 Dance, Culture, and Society: Past and Present (4 semester hours)

In this course, students will open their eyes to the discipline of dance as cultural, political and socio-economic phenomena. Students will examine the variety of purposes that dance serves - dance as ritual, dance as entertainment, dance as wellness modality, dance as art and dance as agent for political activism. In addition to readings, live, and filmed performances as resource "texts," the course will use the lecture demonstrations of guest dancers and scholars for source material. Students will move, write, research, and participate in dance forms from diverse communities and groups in the United States, analyzing them within their historical and cultural contexts. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

University Core fulfilled: Foundations: Studies in American Diversity [FDIV].
Standard letter grade only.
Lab fee required.
Offered Fall and Spring semesters.

DANC 2841 Dance as Social Action (4 semester hours)

This is a theoretical course with an engaged learning component. The course examines the intersection between dance and political/social activism. How does dance participate in addressing social issues? When does dance actually spark social change? Students will examine dances that bring communities together for change, dances that address social and political themes on stage, dances that protest in the street, dance artists and companies that challenge the notion of who gets to dance, and more. Class work will be based on the discussion of readings, dance films and engaged learning projects and engaged learning experiences. This is a required course for the BA in Dance Pedagogy and Social Action and the BA in Dance.

Dance majors and minors only.
University Core fulfilled: Engaged Learning for Mission [ELM].
Standard letter grade only.
Offered Spring semester.

DANC 2901 Equitable Commercial Dance: Learning Community (1 semester hour)

In this course, students will be introduced to the commercial dance industry through movement and lecture. The course will include a series of guest teachers from the commercial dance industry who value equitable and inclusive practices. This course may be repeated three times for credit.

Dance majors and minors only.
Standard letter grade only.
Lab fee required.
Offered Fall and Spring semesters.

DANC 2911 Marketing, Branding, and Funding for the Dance Artist (4 semester hours)

This course investigates effective funding and marketing strategies for dance artists interested in a professional career in the field as a performer, maker, and/or creator. Students will research viable funding sources for emerging artists, network with esteemed choreographers and leaders in the field, and define their brand as an artist throughout the course of the semester. This is a required course for the BA in Choreography and Performance only.

Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 3000 Intermediate Tap Dance (1 semester hour)

A continuation of DANC 2001. Focus on developing skills, rhythms, and the ability to keep time and explore phrasing. This course may be repeated one time for degree credit.

Pre-requisites: DANC 2001, or comparable experience as determined by instructor.
Standard letter grade only.
Offered Fall semester.

DANC 3098 Special Studies (0-4 semester hours)**DANC 3099 Independent Study (1-4 semester hours)****DANC 3140 Exploration of Hip Hop: Freestyle, Fusion & The Cypher (1 semester hour)**

The fourth course in the Hip Hop curriculum for the dance major, DANC 3140 explores hip hop dance through the development of the individual dancer's freestyle, or improvisation, in the form of cyphering – a communal practice of witnessing and sharing movement. The cypher, an open circle where individuals alternate dancing in the center, is quintessential for the development of craft, technique, and community. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1110, DANC 1121, and DANC 2131.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall semester.

DANC 3151 Explorations of Hip Hop: Commercial Hip Hop (1 semester hour)

The fifth course in the Hip Hop curriculum for the dance major, DANC 3151 will focus on Hip Hop in the commercial industry. Students will analyze fusion, derivation, and appropriation of the form for the sake of commercial appeal and examine, both for the sake of criticality and competency, the impact of commercialism to the Hip Hop dance form. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1110, DANC 1121, DANC 2131, and DANC 3140.
Dance majors only.
Standard letter grade.
Offered Spring semester.

DANC 3240 Explorations of Ballet: Putting Technique into Practice (1 semester hour)

The fourth course in the Ballet curriculum for the dance major, DANC 3240 reinforces the technical skills gained in DANC 1210, 1221, and 2230. Students will learn to access complicated articulations of the extremities and nuanced connections through the core of the body as they relate to musicality and performativity. Throughout the semester, students will explore the cultural impact that the dominant narratives of ballet and the subordinated counter-narratives have had on Western concert dance. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1210, DANC 1221, and DANC 2230.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Fall semester.

DANC 3251 Explorations of Ballet: Proficiency (1 semester hour)

The fifth course in the Ballet curriculum for the dance major, DANC 3251 will focus on the acquisition of advanced-level proficiency in ballet technique. Throughout the semester, students will contextualize ballet today within the inclusive, anti-racist socio- historical context that was established in previous classes. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1210, DANC 1221, DANC 2230, and DANC 3240.
Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 3340 Explorations of Contemporary Modern Dance: Finding Nuance (1 semester hour)

The fourth course in the Contemporary Modern curriculum for the dance major, DANC 3340 explores techniques developed in the post-modern era and how the nuance in these various techniques are embedded in the current contemporary vocabulary.

Students will continue building on skills learned in previous classes and continue to contextualize modern/contemporary dance within historical, artistic, and social landscapes. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1310, DANC 2320, and DANC 2331.

Dance majors only.

Standard letter grade only.

Lab fee required.

Offered Fall semester.

DANC 3441 Explorations of Jazz Dance: Studio Styles (1 semester hour)

The fourth course of the Jazz Dance curriculum for the dance major, DANC 3441 explores jazz dance movement practices that emerged in the 1970s, 1980s, and 1990s in spaces such as dance studios, dance conventions and competitions, Broadway, and MTV. The student will explore training methodologies as well specific works of choreography that are unique to this time period in American dance history. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1411, DANC 2420, and DANC 2431.

Dance majors only.

Standard letter grade only.

Offered Spring semester.

DANC 3530 Kinesiology for Dance I (4 semester hours)

In this course, students will gain understanding of the human body as it experiences movement. The course will focus on the analysis of the physics, anatomy, physiology, and psychology of movement behavior. This is a required course for the BA in Dance, the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action.

Dance majors only.

University Core fulfilled: Explorations: Science, Tech, Math [ESTM]

Standard letter grade only.

Offered Fall semester.

DANC 3541 Kinesiology for Dance II: Applied Science for Pedagogy and Performance (4 semester hours)

This course is a continuation of DANC 3530. Students will explore anatomy and the biomechanics of the major joints of the human body and discuss the integration of the science of movement with the art of dance. Particular attention will be paid to the application of kinesiology to effective teaching and sustainable performing. This is a required course for the BA in Dance Pedagogy and Social Action and one of two required options for the BA in Dance.

Prerequisites: DANC 3530.

Dance majors only.

University Core fulfilled: Integrations: Integrations: Interdisciplinary Connections [IINC].

Standard letter grade only.

Offered Spring semester.

DANC 3651 Dance Production for the Camera (4 semester hours)

This course is designed to teach dance students the pre-production, production, and post-production skills of screen dance and dance on camera. Students will learn to shoot and edit movement using digital video cameras, their own smartphone cameras, and accessible editing platforms, ultimately developing proficiency and style that can expand their artistry and digital media fluency. Students will also learn about various historical and contemporary issues and approaches in combining dance and the moving image. This is a required course for the BA in Choreography and Performance only.

Dance majors and minors only.

Standard letter grade only.

Lab fee required.

Offered Spring semester.

DANC 3701 Filming Dance (4 semester hours)

In this course students will learn how to capture and create dance for the screen while exploring the significance of movement in all aspects of filmmaking and visual storytelling. Students will also delve into the rewarding process of transforming live art into engaging media forms.

Standard Letter Grade.

Offered Fall and Spring.

DANC 3740 Dance Composition IV: Choreographing for Screen (2 semester hours)

The fourth and final course in the choreographic curriculum for the dance major, DANC 3740 teaches students the skill of choreographing for the screen. Building on the students' knowledge of movement creation and development, as well as choreographic craft for the stage that was acquired in previous choreography classes, students will learn to translate the live audience's eye to the camera eye. Students will apply the filmmaking skills they gained in Dance Production for the Camera to complete group assignments and projects in which they take turns being the choreographer behind the camera and being the dancer in front of the camera. This is a required course for the BA in Choreography and Performance only.

Prerequisites: DANC 1711, DANC 2720, DANC 2731, and DANC 3651.
Dance majors only.
Standard letter grade only.
Offered Fall semester.

DANC 3800 Movement Arts for Children (3 semester hours)

Movement Arts experience ("new games," dance, sport) and study of the child's physical and motor development. Designed as pre-service Elementary School teacher training. Meets Liberal Studies Credential requirements.

Standard Letter grade only.
Offered Fall semester.

DANC 3801 Multiple Ways: Music and Dance in Secondary Education (3 semester hours)

This course will introduce students to fundamental principles and concepts in teaching Music and Dance in secondary education. Students will investigate each art form as a discrete discipline, and they will investigate how these art forms integrate with each other as well as with other subjects in the pre K-12 curriculum (e.g., reading, mathematics, sciences, and social studies). The course emphasizes learning using multiple intelligences (Musical Intelligence, Bodily-Kinesthetic Intelligence, Existential Intelligence, and Social-Interpersonal/Intrapersonal Intelligences, along with Verbal-Linguistic, Mathematical, and Visual-Spatial Intelligence). Students will focus on these intelligences as discrete and diverse ways of knowing and expressing facts, concepts, and feelings. Meets Liberal Studies Credential requirement.

Sophomores, juniors, and seniors only.
Standard letter grade only.
Offered Spring semester.

DANC 3810 Principles of Teaching Dance (4 semester hours)

This course is designed to provide students with the necessary skills to integrate their technical and conceptual dance content knowledge within a pedagogical framework. Students will gain an understanding of how dance lessons, units and curriculum are organized, represented, and adapted to the diverse interests and abilities of learners. The course presents the tools to create high-quality and sequential dance lessons and units that meet various strands of dance learning, incorporate well-designed and anatomically-driven warm-up exercises that build to complex phrase work or improvisational tasks, and employ assessment strategies and best practices. This is a required course for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only.

Dance majors only.
Standard letter grade only.
Offered Fall semester.

DANC 3851 Dance Theory and Criticism (4 semester hours)

Dance Theory and Criticism will introduce students to the concept of the critical turn in education and society and will offer a brief overview of a myriad of critical theories and their relationships to dance. Students will then dive more deeply into the history of dance criticism and the role it has played in defining dance in Western society. Students will develop their own critical voice through the process of viewing, analyzing, reading reviews, and discussing concert and commercial choreographic dance works. This is a required course for the BA in Choreography and Performance and one of two required options for the BA in Dance.

Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 3900 Introduction to Business in the Arts (4 semester hours)

This introductory course provides an overview of the arts and culture ecosystem in relation to what it means to become a working arts professional with an understanding of the creative economy and the business fundamentals it takes to navigate it.

Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 3901 Equitable Commercial Dance (1 semester hour)

In this course, students will increase movement and professional skills applicable to the commercial dance industry. The course will include a series of guest teachers from the commercial dance industry who value equitable and inclusive practices. This course may be repeated three times for credit.

Dance majors and minors only.
By permission of instructor.
Standard letter grade only.
Lab fee required.
Offered Fall and Spring semesters.

DANC 4001 Advanced Tap Dance (1 semester hour)

A continuation of DANC 3000. Focus on skill, musicality, expression, and contemporary tap luminaries. This course may be repeated one time for degree credit.

Pre-requisites: DANC 3000.

Standard letter grade only.

Offered Spring semester.

DANC 4095 Internships (1-4 semester hours)

Work experience in all areas in the field of dance. This course may be repeated one time for credit.

Dance majors and minors only.

Standard letter grade only.

DANC 4098 Special Studies (0-4 semester hours)**DANC 4099 Independent Study (1-4 semester hours)****DANC 4161 Integrations of Hip Hop: Krump (1 semester hour)**

The sixth and final course in the Hip Hop curriculum for the dance major, DANC 4161 focuses on a cornerstone of Los Angeles Street Dance Culture. Students will learn Krump dancing and its culture, particularly as it relates to the history of Krump emerging from the poverty-stricken neighborhoods of L.A. Students will learn to translate emotional range with artistry and expressivity through the Krump dance form.

This is one of three required options for spring semester senior-year movement practice for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Pre-requisites: DANC 1110, DANC 1121, DANC 2131, DANC 3140, and DANC 4260 or DANC 4450 or DANC 4350.

Senior Dance majors only.

Standard letter grade only.

Offered Spring semester.

DANC 4200 Pointe and Variations (1 semester hour)

Study of pointe work in ballet and reconstruction of variations from ballets of different periods. This course may be repeated one time for credit.

By permission of instructor.

Standard letter grade only.

Lab fee required.

DANC 4260 Integrations of Ballet: Professional Practice (1 semester hour)

The sixth and final course in the Ballet curriculum for the dance major, DANC 4260 focuses on the integration of ballet technique into the students' personal style and professional artistry. Students will learn to apply ballet technique beyond its own stylized form and to translate their balletic fluency across forms. Throughout the semester, students will critically examine ballet as one aesthetic within the range of aesthetics influencing a rapidly changing dance world today. This is one of three required options for fall semester senior-year movement practice for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only.

Prerequisites: DANC 1210 DANC 1221 DANC 2230 DANC 3240

DANC 3251

Dance majors only

Seniors only

Lab Fee Required

Offered Fall Semester

DANC 4350 Integrations of Contemporary Modern Dance: Floorwork (1 semester hour)

The fifth course in the Modern Contemporary curriculum for the dance major, DANC 4350 explores contemporary techniques and styles, focusing on the specific skills of floorwork and changing planes. While reinforcing the commonalities within all styles of dance, students will learn to access efficiency in moving into and out of the floor, taking weight into the hands (inversions), and translating standing skills, such as momentum, locomotion, and performance, to floorwork. This is one of three required options for fall semester senior-year movement practice for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1310, DANC 2320, DANC 2331, and DANC 3340.

Senior Dance majors only.

Standard letter grade only.

Lab fee required.

Offered Fall Semester.

DANC 4361 Integrations of Contemporary Modern: Finding your Voice (1 semester hour)

The sixth and final course in the Modern Contemporary curriculum for the dance major, DANC 4361 explores the refined precision and application of multiple styles into proficient performance of contemporary dance. Students will learn to summon their own improvisational and performative instincts, integrating this internal and experiential information with advanced-level contemporary choreography. Students will begin to view themselves as dance artists in the modern/contemporary lineage. This is one of three required options for spring semester senior-year movement practice for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Pre-requisites: DANC 1310, DANC 2320, DANC 2331, DANC 3340, and DANC 4260 or DANC 4450 or DANC 4350.

Senior Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 4450 Integrations of Jazz Dance: Broadway Style (1 semester hour)

The fifth course of the Jazz Dance curriculum for the dance major, DANC 4450 is designed to build on the students' already developed understanding of jazz dance through encouraging the articulation of personal style, the use of improvisation and the refinement of both Eurocentric and Africanist technique specific to jazz dance. Students will be exposed to jazz dance movement trends originating in social arenas, dance studios, Hollywood, Broadway and popular culture, with special attention placed on the evolution of jazz dance through the 1950s and 1960s and how appropriation and the introduction of European elements altered the form. This is one of three required options for fall semester senior-year movement practice for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1411, DANC 2420 EXP, DANC 2431, and DANC 3441.
Senior Dance majors only.
Standard letter grade only.
Offered Fall semester.

DANC 4461 Integrations of Jazz Dance: Commercial Styles (1 semester hour)

The sixth and final course of the Jazz Dance curriculum for the dance major, DANC 4461 is designed to enhance students' understanding of the narrative and storytelling aspect of jazz dance through a development of physicalized nuance, accented flow and the refinement of performance quality. This course will place special emphasis on the way in which fusion has been part of jazz culture from its inception by introducing students to contemporary jazz choreographers that specialize in hyphenated jazz styles. This course will integrate commercial dance philosophies in preparation for potential careers in the entertainment industry. This is one of three required options for spring semester senior-year movement practice for the BA in Choreography and Performance, and the BA in Dance Pedagogy and Social Action only. Upon recommendation by the Department, this course may be repeated one time for credit.

Prerequisites: DANC 1411, DANC 2420, DANC 2431, DANC 3441, and DANC 4260 or DANC 4450 or DANC 4350.

Senior Dance majors only.
Standard letter grade only.
Offered Spring semester.

DANC 4700 Pre-semester Dance Intensive: Plunge (1 semester hour)

A pre-semester intensive workshop with professional choreographers and/or professional dance companies. This course may be repeated up to seven times. Students may only earn up to 8 credit hours across all instances of the course.

Dance majors only.
Credit/No credit grading only.
Lab fee required.

DANC 4790 Rehearsal and Performance (0 semester hours)

Format varies by semester. Auditioning, rehearsing, and performing in the Dance Department main stage or screen productions. This is a required course for BA in Choreography and Performance only. This course may be taken a total of eight times.

Credit/No Credit only.
Audition required.
Offered Fall and Spring semesters.

DANC 4800 Dance Tour Group: Teaching and Performing in the Field (4 semester hours)

Students learn to create and deliver lecture demonstrations and dance-related curriculum for select K-12 schools, community centers, and other venues off and on campus. This course may be repeated one time for credit.

Dance majors and minors only.
Standard letter grade only.
Offered Fall and Spring semesters.

DANC 4900 Senior Thesis Mentorship (1 semester hour)

One-on-one guidance on the development and presentation of the Senior Thesis Project. This course may be repeated one time for credit.

Senior Dance majors only.
Standard letter grade only.
Offered Fall and Spring semester.

DANC 4901 Senior Career Prep in Dance: Concert and Company Work (1 semester hour)

A professionalizing course for senior dance students who want performance careers in the stage, concert, and dance company industries. The course will include a series of choreographers and company directors based in Los Angeles and beyond. This course may be repeated one time for credit.

Co-requisites: DANC 4350.
Senior Dance majors only.
Credit/No Credit grading only.
Lab fee required.
Offered Fall and Spring semesters.

DANC 4910 Internship/Practicum Capstone (4 semester hours)

Work or practical experience at the intersection of dance and teaching, dance and health care, or dance and business, in addition to other dance related fields. This is a required course for the BA in Dance only.

Senior Dance majors only.
Standard letter grade only.
Offered Fall and Spring semesters.

DANC 4912 Senior Thesis Project (2 semester hours)

This course invites students not only to explore new areas of interest but also to critically examine the body of knowledge and experience they have acquired in the dance field and beyond. Senior Thesis Project is specifically designed to assist the student in navigating their senior-year research projects with poise, planning, purpose and imagination. The students will work individually, and in partnership, with the professors of the course, and, as appropriate, with a professional mentor and peers. This is a required course for the BA in Choreography and Performance and BA in Dance Pedagogy and Social Action only.

Senior Dance majors only.
Standard letter grade only.
Offered Fall semester.

DANC 4913 Senior Thesis Implementation: Teaching/Social Action (2 semester hours)

The implementation of senior theses in dance teaching or dance as social action. This is a required course for BA in Dance Pedagogy and Social Action only.

Senior Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 4915 Senior Thesis Implementation: Choreography (2 semester hours)

The implementation of senior theses in choreography/performance. This is a required course for BA in Choreography and Performance only.

Senior Dance majors only.
Standard letter grade only.
Lab fee required.
Offered Spring semester.

DANC 4996 Dance Industry Standards (1 semester hour)

Students learn industry standards, best practices, and professional tools for the commercial dance industry in Los Angeles. This course is a prerequisite for DANC 4997 Senior Industry Showcase.

Dance majors and minors only.
Juniors and seniors only.
Standard letter grade only.
Lab fee required.

DANC 4997 Dance Industry Senior Showcase (2 semester hours)

A professionalizing course for senior dance students who want performance careers in the entertainment and commercial dance industries. Dance minors are allowed to take this course by permission of advisor. This course may be repeated one time for credit.

Prerequisites: DANC 4996.
Dance majors and minors only.
Standard letter grade only.
Lab fee required.

DSTD 1000 Introduction to Disability Studies (4 semester hours)

Introduction to Disability Studies provides an overview of the interdisciplinary field of critical disability studies and "crip" theory. Disability studies focuses on the ideology of ableism, or the political, cultural, economic, and social privilege of non-impaired bodies and minds. Course texts and conversations take an intersectional approach to the question of normalcy, examining the ways in which "defect" and "impairment" have been mapped onto other marginalized social categories.

DSTD 1998 Special Studies (1-4 semester hours)**DSTD 1999 Independent Studies (1-4 semester hours)****DSTD 2998 Special Studies (1-4 semester hours)****DSTD 2999 Independent Studies (1-4 semester hours)****DSTD 3038 Psychopathology (4 semester hours)**

An introduction to the biological, psychological, and social determinants of psychopathology and maladaptive behaviors. Causes, diagnosis, and treatment of various mental disorders such as: schizophrenia, mood disorders, anxiety disorders, personality disorders, childhood disorders, sexual dysfunctions, and other conditions covered in the Diagnostic and Statistical Manual of Mental Disorders (DSM). Junior or senior standing required.

DSTD 3050 Critical Race Theory (4 semester hours)

This course takes up the question of race and politics through the lens of critical theory, legal theory, and political philosophies of race and difference. Prerequisite: POLS 2000 or AFAM 1211 or CHST 1116. University Core fulfilled: Integrations: Interdisciplinary Connections

DSTD 3200 Deviant Behavior (4 semester hours)

A social interactionist approach to the study of deviant behavior; an examination of the process whereby society defines and labels an act as deviant, trends in deviance theory, deviant careers, and the mechanisms involved in confronting the label.

DSTD 3451 Disability Justice (4 semester hours)

This course will cover the history of the disability rights and justice movement. Particular attention will be paid to analyzing the material and discursive goals of the current disability justice movement. Students will learn about "crip wisdom," "cripepistemology," and "crip care webs"- to name a few. Further, this class will analyze the disability justice movement in an intersectional fashion. This class will cover invisible and visible disability identities, including neurodivergent disabilities. Intersections include disability and capitalism, disability and mutual aid, disability and trans/LGBTQIA movements for justice, and disability and the abolitionist movement of the carceral state.

DSTD 3998 Special Studies (1-4 semester hours)**DSTD 3999 Independent Studies (1-4 semester hours)****DSTD 4998 Special Studies (1-4 semester hours)****DSTD 4999 Independent Studies (1-4 semester hours)****ECON 1050 Introductory Economics (4 semester hours)**

Accelerated introduction to both microeconomics and macroeconomics. Supply and demand, elasticity, and theories of production, cost, competition, monopoly, and other market structures. Aggregate supply, aggregate demand and Keynesian Cross analysis, and discussion of GDP, national income, inflation, and unemployment.

This course substitutes for ECON 1100 and ECON 1200 wherever one or both are stated as prerequisites.

University Core fulfilled: Explorations: Understanding Human Behavior.

ECON 1100 Introductory Microeconomics (4 semester hours)

Analysis of behavior of individual economic agents including consumers and firms. Supply and demand, elasticity, theory of production, and cost. Pricing and output decisions under competition, monopoly, and other market forms.

University Core fulfilled: Explorations: Understanding Human Behavior.

ECON 1200 Introductory Macroeconomics (4 semester hours)

Analysis of inflation, unemployment, and gross national product. Money and banking, Keynesian and Monetarist economics, government policy toward money supply, spending, the national debt, and exchange rates.

University Core fulfilled: Explorations: Understanding Human Behavior.

ECON 1900 Linked Learning Community (1 semester hour)

This course introduces students to the Department of Economics, the University, and college life. While establishing relationships among their peers, students will gain an overview of economics as a discipline, meet with students, faculty, and alumni, and be exposed to opportunities available on campus.

Prerequisites: None but students need to be enrolled in the designated ECON 1050 section.

Grading: CR/NC

ECON 1998 Special Studies (1-4 semester hours)**ECON 1999 Independent Studies (1-4 semester hours)****ECON 2300 Introductory Statistics (4 semester hours)**

An introduction to the modern methods of analyzing sample data. Topics include descriptive statistics, probability theory, binomial and normal distributions, estimation, hypothesis testing, and simple regression analysis.

Recommended: MATH 112 or MATH 131 or concurrent enrollment.

University Core fulfilled: Foundations: Quantitative Reasoning.

ECON 2660 Essentials of Personal Finance (2 semester hours)

This course provides a non-technical introduction to the different areas of personal finance. It is designed for students with no previous exposure to economics, accounting, or finance. Topics covered include financial goal setting, financial statements, time value of money, budgeting and cash management, credit cards and debt, preparation of income tax returns, home purchases and mortgages, investment strategies, insurance, and retirement and estate planning. The course emphasizes evaluating choices and making decisions in terms of time and opportunity cost. The course does not count towards an Economics major or minor.

Prerequisites: None.

ECON 2900 Linked Learning Community (1 semester hour)

This course deepens students' understanding of the Department of Economics, the University and college life. As students continue to foster relationships with their peers, they will continue to develop their understanding of economics as a discipline, meet with students, faculty and alumni, and be exposed to additional resources available on campus.

Prerequisites: ECON 1900.

Credit/No Credit only.

ECON 2998 Special Studies (1-4 semester hours)**ECON 2999 Independent Studies (1-4 semester hours)****ECON 3100 Intermediate Microeconomics (4 semester hours)**

Microeconomic theory applied to the private sector. Indifference curves, utility theory, Slutsky equation, individual and market demand, technology, cost minimization, cost curves, consumer and producer surplus, efficiency, perfect competition, monopoly, price discrimination, classical oligopoly theory, game theory including Nash equilibrium, resource markets.

Prerequisites: A grade of at least B- in ECON 1050 and a grade of at least B- in MATH 112 or of at least C in MATH 131.

ECON 3200 Intermediate Macroeconomics (4 semester hours)

Macroeconomic analysis: The determination of national income and output and their components, employment, the price level (and inflation), interest rates, and long-term economic growth. An introduction to business cycle theory, monetary theory, balance of payments, and exchange rates. A study of economic policies to achieve goals and the limits of such policies.

Prerequisites: A grade of at least B- in ECON 1050 and a grade of at least B- in MATH 112 or of at least C in MATH 131.

ECON 3220 Money and Banking (4 semester hours)

The role of monetary matters in the economy. The organization, operation, and impact of money, banks and nonbank financial intermediaries, and financial markets in the economy. The impact of these on the determination of interest rates, the price level, and economic activity. The role of central bank and regulatory agency policies in financial markets and the economy.

Prerequisite: ECON 1050.

ECON 3300 Econometrics (4 semester hours)

Analysis of the linear regression model and its practical applications in economics, finance, marketing, and other areas of business. Material covered will be the two variable model, hypothesis testing, forecasting, functional forms of regression models, regression using dummy explanatory variables, multiple regression, autocorrelation, heteroscedasticity and multicollinearity. Emphasis is placed on the application of the techniques covered in the course to the solution of real world problems.

Prerequisites: ECON 1050 and ECON 2300.

ECON 3380 Economic Geography (4 semester hours)

Using geographical information systems to test spatial economics and classical locational theories, we explore economic activity and worldwide patterns of trade.

Prerequisite: ECON 1050.

ECON 3400 U.S. Economic History (4 semester hours)

Historical study of the economic growth and institutional development of the U.S. economy from the colonial era to the twentieth century. Topics may include: the economic ramifications of the American Revolution and the Constitution, the economics of slavery, industrialization, and the origins of the Great Depression.

Prerequisite: A grade of at least B- in ECON 1050.

ECON 3410 World Economic History (4 semester hours)

A study of the comparative historical development of the world's regions that examines why some countries have developed while others have not. Considers cultural and geographical factors as well as the central role of institutions; different forms of institutions, such as social norms, laws, and regulations; and their effect on economic behavior and performance. Uses models, data and primary sources to understand history.

Prerequisite: ECON 1050.

ECON 3480 Economics of Film and Fiction (4 semester hours)

Economics is everywhere. It's in business. It's in government. It's in our personal lives. This course utilizes contemporary and classic film and literature to illustrate fundamental concepts in economics through real-life illustration of economics. Classroom discussions and assignments are facilitated through a series of questions that explore economic theories in practice and their applications all around us. The course explores whether concepts are or are not presented correctly and the potential negative consequences of an erroneous presentation of economic concepts in film and fiction.

Prerequisite: ECON 1050.

ECON 3520 The Economics of Giving (4 semester hours)

The economics of giving is the analysis of non-market voluntary transfers of scarce resources, the reasons for their existence, their relations with market transactions, the public provision and funding of goods and services, and the resulting allocations. Considers the motives for giving and the magnitude of voluntary transfers and their evolution over time. Applies the theories of giving to gift-giving, family transfers, volunteering for charities, and public redistribution. Using the tools of economics, sociology, and psychology, among others, this course presents a wide view of the field of giving, reciprocity, and, more generally, altruism.

Prerequisite: ECON 1050.

ECON 3560 Urban Economics (4 semester hours)

A survey of the policy and theoretical issues that are raised when economic analysis is applied in an urban setting. Topics include urbanization and urban growth housing markets, location decisions of households and firms, transportation, urban labor markets, the local public sector, and discrimination.

Prerequisite: ECON 1050.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ECON 3580 Sports Economics (4 semester hours)

Introduction to the economics of professional sports. Strategic behavior, demand and sports revenue, market for sports broadcasting, team cost, profit and winning, sports market outcomes, market for talent and labor relations, stadium building, antitrust and competition policy. Review of current issues in the research on sports economics.

Prerequisite: ECON 1050.

ECON 3600 Financial Economics (4 semester hours)

Practical application of financial theory in both a certain and uncertain environment. Focus on capital budgeting, financial structure, cost of capital, and dividend policy.

Prerequisite: ECON 1050.

ECON 3620 Managerial Economics (4 semester hours)

Provides a solid foundation of economic understanding for use in managerial decision making. It focuses on optimization techniques in the solution of managerial problems.

Prerequisite: ECON 1050.

ECON 3660 Personal Finance (4 semester hours)

This course is a comprehensive coverage of consumer finance. Topics are consumer credit, consumer spending, and investing for the short run and the long run. Housing and real estate investing, personal financial planning, and various investment vehicles such as equity, fixed rate of return instruments, annuities, and insurance, as well as the fundamentals of tax planning are addressed. The emphasis is on evaluating choices and understanding the consequences of decisions in terms of opportunity costs.

Prerequisite: ECON 1050.

ECON 3700 International Trade (4 semester hours)

Analysis of classical and modern theories of international trade and their relation to internal and external equilibria. Income and monetary factors, commercial policies affecting international trade. Resource movements, regional economic integration.

Prerequisite: ECON 1050.

ECON 3720 International Finance Theory (4 semester hours)

Introduction to foreign exchange markets and the determination of exchange rates. Understanding balance of payments accounts, enacting policies to affect the current account, and examining balance of payments crises. Overview of international policy coordination and the international monetary system. Application of theory to current international issues.

Prerequisite: ECON 1050.

ECON 3750 Global Poverty (4 semester hours)

This course is about the challenges posed by massive and persistent poverty across the world from primarily an economics perspective. Topics include the global debates about poverty and inequality, the ethics of global citizenship, and public policy solutions to alleviate poverty.

Prerequisite: ECON 1050.

ECON 3850 Internships in Economics (2 semester hours)

Students must secure a qualifying internship according to the National Association of Colleges and Employers (NACE) criteria and requires instructor approval. The internship must cover at least 100 hours of work time during the semester; up to 25 hours can be completed over the summer. An internship agreement must be signed by the instructor and student prior to the Friday of the second week of the semester. May only be taken once.

Prerequisite: ECON 1050.

ECON 3950 Research Experience in Economics (1-4 semester hours)

In this one- to four-unit course, the student will have the opportunity to work closely with a professor on a research project in economics, either independently or collaboratively. In this capacity, the student will receive training in data collection, how to analyze and interpret the results from data, how to perform appropriate literature reviews, how to build and calibrate economic models, and/or how to edit papers in economics. The student will also be assessed at various stages of the course using suitable techniques such as weekly meetings, assignments, and a written report.

Prerequisites: ECON 1050.

Credit/No Credit or Letter Grade.

ECON 3990 Linked Learning Community for Transfer Students (1 semester hour)

This course introduces transfer students to the Department of Economics, the University, and college life. While establishing relationships among their peers, students will gain an overview of economics as a discipline, meet with students, faculty, and alumni, and be exposed to opportunities available on campus.

ECON 3991 Linked Learning Community for Transfer Students (1 semester hour)

This course deepens transfer students understanding of the Department of Economics, the University and college life. As students continue to foster relationships with their peers, they will continue to develop their understanding of economics as a discipline, meet with students, faculty and alumni, and be exposed to additional resources available on campus.

ECON 3998 Special Studies (1-4 semester hours)**ECON 3999 Independent Studies (0-4 semester hours)****ECON 4100 Advanced Microeconomics (4 semester hours)**

A selection of several advanced topics in microeconomics such as general equilibrium theory, welfare economics, public economics, contract theory, information theory, risk and uncertainty, inequality, or externalities. Includes more advanced coverage of topics in Microeconomics.

Prerequisite: ECON 3100 with a grade of at least C-.

ECON 4120 Economics and Ethics (4 semester hours)

Economics and Ethics examines the roles and effects of ethics on economic analysis, behavior, and institutions. These issues arise, for example, in matters of charity, labor markets, and taxation. This course treats both descriptive and prescriptive theories as well as evidence on ethics from behavioral and experimental economics. It covers standard philosophical theories and connects them to empirical evidence and real world decision-making.

Prerequisite: ECON 3100 with a grade of at least C-.

University Core fulfilled: Integrations: Ethics and Justice.

ECON 4140 Game Theory (4 semester hours)

Game Theory is the study of strategic interaction. This course will focus on analyzing these interactions and predicting equilibrium outcomes. Topics to be covered include utility theory, rationality, simultaneous and sequential move games, Nash equilibrium, backward induction, repeated games, and games of incomplete information.

Prerequisite: ECON 3100 with a grade of at least C-.

ECON 4160 Environmental Economics (4 semester hours)

Environmental Economics deals with the use of society's scarce environmental resources. Economic theory and analysis are applied to various environmental issues, including pollution, sustainable development, clean air, and quality of life.

Prerequisite: ECON 3100 with a grade of at least C-.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ECON 4180 Economics of Education (4 semester hours)

This course investigates economic issues related to education. Topics include the decision to invest in education and how this decision is affected by various factors, the labor market for teachers and what motivates teachers, and student incentives and loans. The course will cover how different empirical methods are used to answer economics of education questions.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

ECON 4200 Advanced Macroeconomics (4 semester hours)

Dynamic aspects of macroeconomics. The course develops tools of dynamic analysis. Topics include economic growth, labor market and unemployment, national savings and investment, the stock market and bubbles, fiscal policy and sustainability of public debt, monetary policy and inflation, and financial crises (such as debt crises, bank runs, currency crashes).

Prerequisite: ECON 3200 with a grade of at least C-.

ECON 4340 Experimental and Behavioral Economics (4 semester hours)

Experimental methods of research in economics. Basic experimental concepts, induced value theory, individual decisions, game theory, market experiments, auctions, bargaining, public choice.

Prerequisite: ECON 3100 and ECON 3300, both with a grade of at least C-.

ECON 4480 Market Design (4 semester hours)

Investigates the efficiency and incentives of real-world markets, such as auctions and matching. Analyzes the mechanisms that assign objects to individuals, match trading partners, and determine prices as well as the information structure. Explores markets from a theoretical, empirical, and experimental perspective. Considers different design approaches and economists' role as designers.

Prerequisites: ECON 3100 with grade of at least C-.

ECON 4500 Industrial Organization (4 semester hours)

Analysis of firm behavior. Classical models of perfect competition, monopoly and oligopoly. Game theory including dominant strategy, Nash and subgame perfect equilibrium. Price discrimination, antitrust policy and regulation.

Prerequisite: ECON 3100 with a grade of at least C-.

ECON 4520 Political Economy (4 semester hours)

The elections, institutions, and actors that determine important policy outcomes. The inefficient outcomes arise and the lessons that can be learned from those failures of voters and institutions. Half the class will focus on the United States, and the other half will consider these issues in a comparative perspective.

Prerequisite: ECON 3100 with a grade of at least C-.

ECON 4540 Labor Economics (4 semester hours)

Modern theories of market and non-market behavior relating to issues of labor and the determination of wages, salaries, and perquisites. Empirical evidence and public policy considerations are always relevant. Topics may include: education, poverty, discrimination, internal job ladders and management systems, collective bargaining, and unemployment.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

ECON 4560 Law and Economics (4 semester hours)

This course will explore the field of law and economics. We will use standard microeconomic tools to examine torts, contracts, and property law, as well as the theory and empirical evidence on criminal behavior.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

University Core fulfilled: Integrations: Interdisciplinary Connections

ECON 4580 Health Economics (4 semester hours)

Access to quality health care remains an important public health problem for a significant part of the population. This course examines the theoretical and empirical analyses of major topics in health care economics, such as the production of health, demand for medical care and health insurance, the physician-firm, the hospital market, and government provided health care.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

University Core Fulfilled: Interdisciplinary Connections

ECON 4740 Economic Development (4 semester hours)

This course is about global poverty, with a focus on the market failures that often characterize countries in the developing world and the solutions that countries have adopted to deal with these failures. We will explore how missing or incomplete markets for land, insurance, and credit give rise to the institutions that we see in developing countries, particularly in rural areas. Evidence about important policy debates, such as the role of industrialized countries in the development process, will be discussed in detail.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

ECON 4900 Senior Assessment (0 semester hours)

Assessment of student learning outcomes in the field of economics. Includes a written comprehensive examination, a senior exit interview, and possible additional Department evaluation. ECON 4900 is required of all economics majors who will have completed 100 hours or more by the end of the Spring semester.

Prerequisite: Registered to complete 100 hours or more by the end of the semester in which it is taken and to have taken or be contemporaneously enrolled in at least two upper-level economics electives (that is, courses beyond ECON 3100, 3200, and 3300).

Economics majors only.

Credit/No Credit only.

ECON 4998 Special Studies (1-4 semester hours)**ECON 4999 Independent Studies (1-4 semester hours)**

ECON 5300 Mathematics for Economics (4 semester hours)

Absolutely necessary for those continuing to graduate school and required for those pursuing the B.S. degree in economics. Review of fundamental mathematical concepts and logic. Treatment of linear algebra, univariate and multivariate calculus, real analysis, and unconstrained and constrained optimization. Applications of mathematical techniques to typical problems in microeconomics and macroeconomics.

Prerequisites: ECON 3100 with a grade of at least C- and MATH 131 (or equivalent) with a grade of at least C.

Recommended: MATH 132 (or equivalent).

Offered only in the Fall semester.

ECON 5320 Advanced Econometrics (4 semester hours)

This branch of economics uses mathematical and statistical tools to analyze economic phenomena. Mathematical formulation, establishment of hypotheses, model construction, data collection, and statistical estimation and inference.

Prerequisite: ECON 3300 with a grade of at least C- and either MATH 131 or MATH 112.

Required for the B.S. degree in Economics.

Offered only in the Spring semester.

ECON 5900 Senior Seminar (4 semester hours)

Course introduces fundamentals of research, discusses original literature, and assists in research and writing of a substantive independent research project. Strongly recommended for those considering graduate school.

Prerequisites: ECON 3100, ECON 3200, and ECON 3300, all with a grade of at least B-. ECON 5300 and ECON 5320 strongly recommended.

Senior Economics majors only.

Written approval of research proposal by Department faculty member (with prior permission, by faculty member outside Department)—formal research proposal requirements can be obtained from the Department. Permission of instructor required.

ECON 5990 Honors Seminar in Economics (1 semester hour)

This course shifts students from coursework focused on learning established knowledge to actively participating in scholarly research. The course introduces the fundamentals of producing a substantive independent research project. Students will participate in discussions, peer feedback sessions, and skill-building workshops aimed at enhancing their research and presentation skills. At the end of the course, each student will have completed their honors thesis and demonstrated clear expertise in their research topic.

Students must have been accepted into the honors program and completed a 4000-level capstone or ECON 5999 to enroll in this course. Not repeatable for credit.

ECON 5998 Special Studies (1-4 semester hours)**ECON 5999 Independent Studies (1-4 semester hours)****EDCE 410 Elementary Directed Teaching (9-12 semester hours)**

Full-time supervised teaching in two culturally diverse public elementary schools; seminar sessions held throughout the semester, which include instruction in art, music, and physical education.

Credit/No Credit only.

Admission by special approval.

EDCE 412 Secondary Directed Teaching (9-12 semester hours)

Full-time supervised teaching in one culturally diverse public middle and/or high school; seminar sessions held throughout the semester support the student in successfully completing his or her teaching.

Credit/No Credit only.

Special approval required.

EDCE 456 Directed Teaching with Culturally & Linguistically Diverse Students with Mild/Moderate Disabilities (6 semester hours)

Actual teaching experience with culturally and linguistically diverse students with mild/moderate disabilities. Must have completed prerequisite and professional coursework in Special Education and be approved by the Coordinator of Fieldwork the semester prior to enrolling.

Credit/No Credit only.

Special approval required.

EDCE 459 Student Teaching Seminar (3 semester hours)

Students take this course in conjunction with EDCE 456, Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities.

Corequisite: EDCE 456.

Credit/No Credit only.

Special approval required.

EDCE 461 Teaching Performance Assessment 1 (0 semester hours)

Students enrolled in the course will complete Task 1 of the Teaching Performance Assessment.

Fee required.

Special approval required.

EDCE 462 Teaching Performance Assessment 2 (0 semester hours)

Students enrolled in the course will complete Task 2 of the Teaching Performance Assessment.

Fee required.

Special approval required.

EDCE 463 Teaching Performance Assessment 3 (0 semester hours)

Students enrolled in the course will complete Task 3 of the Teaching Performance Assessment.

Prerequisites: EDCE 461 and 462.

Corequisite: EDCE 410 or 412.

Fee required.

EDCE 464 Teaching Performance Assessment 4 (0 semester hours)

Students enrolled in the course will complete Task 4 of the Teaching Performance Assessment.

Fee required.

Prerequisites: EDCE 461 and 462.

Concurrent enrollment with EDCE 410 or 412 required.

EDCE 498 Special Studies (1-3 semester hours)**EDCE 499 Independent Studies (1-3 semester hours)****EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy (0 semester hours)**

Students enrolled in this course will complete Task 1 of the Teaching Performance Assessment.

Credit/No Credit only.

Special approval required.

Fee required.

EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction (0 semester hours)

Students enrolled in this course will complete Task 2 of the Teaching Performance Assessment.

Credit/No Credit only.

Special approval required.

Fee required.

EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning (0 semester hours)

Students enrolled in this course will complete Task 3 of the Teaching Performance Assessment.

Prerequisites: EDCE 5950 and EDCE 5951.

Fee required.

Credit/No Credit only.

Special approval required.

EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience (0 semester hours)

Students enrolled in this course will complete Task 4 of the Teaching Performance Assessment.

Prerequisites: EDCE 5950, EDCE 5951, and EDCE 5952.

Credit/No Credit only.

Special approval required.

Fee required.

EDCE 5961 Early Childhood Fieldwork 1 (1 semester hour)**EDCE 5962 Early Childhood Fieldwork 2 (1 semester hour)****EDCE 5963 Early Childhood Fieldwork 3 (1 semester hour)****EDCE 5970 Fieldwork 1 (1 semester hour)**

This course is designed to enhance the field experiences of teacher practitioners/interns through reflective experiences, supervised teaching, and collaboration between the candidates, university personnel, and the mentor teacher. The course is designed around the needs of the candidates.

Interns and Teacher Practitioners only.

Credit/No Credit only.

Special approval required.

EDCE 5971 Fieldwork 2 (1 semester hour)

This course is a continuation of Fieldwork 1.

Prerequisite: EDCE 5970.

Interns and Teacher Practitioners only.

Credit/No Credit only.

Special approval required.

EDCE 5972 Fieldwork 3 (1 semester hour)

This course is a continuation of Fieldwork 2.

Prerequisites: EDCE 5970 and EDCE 5971.

Interns and Teacher Practitioners only.

Credit/No Credit only.

Special approval required.

EDCE 5973 Fieldwork 4 (1 semester hour)

This course is a continuation of Fieldwork 3.

Prerequisites: EDCE 5970, EDCE 5971, and EDCE 5972.

Interns and Teacher Practitioners only.

Credit/No Credit only.

Special approval required.

EDCE 5974 Fieldwork Support (1-3 semester hours)

This course is offered as additional fieldwork support.

Prerequisite: EDCE 5970 or EDCE 5971 or EDCE 5972 or EDCE 5973.

Intern and Teacher Practitioners only.

Credit/No Credit only.

Special approval required.

EDCE 5976 Elementary Directed Teaching (6-9 semester hours)

Full-time supervised teaching in two culturally diverse public elementary schools. Supervision by master teacher and university supervisor while working with individuals, small groups, and the entire class. Development of classroom management and teaching strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.

Special approval required.

EDCE 5977 Secondary Directed Teaching (6-9 semester hours)

Full-time supervised teaching in one culturally diverse public middle or high school. Supervision by master teacher and university supervisor while working with individuals, small groups, and the entire class. Development of classroom management and teaching strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.
Special approval required.

EDCE 5978 Directed Teaching with Students with Mild/Moderate Disabilities (6 semester hours)

Teaching experience with culturally and linguistically diverse students with Mild/Moderate disabilities.

Seminar required.
Credit/No Credit only.
Lab fee required.
Special approval required.

EDCE 5981 Special Education Clinical Supervision I (2-3 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher. This course is designed around the needs of the candidates and meets on a monthly basis.

Interns and Teacher Practitioners only.
Candidate may request lower unit count (2 semester hours) only if candidate has a prior earned and valid teaching credential.
Credit/No Credit only.
Special approval required.

EDCE 5982 Special Education Clinical Supervision II (2-3 semester hours)

Candidate may request lower unit count (2 semester hours) only if candidate has a prior earned and valid teaching credential. This is a continuation of EDCE 5981.

Prerequisite: EDCE 5981.
Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDCE 5983 Special Education Fieldwork and Seminar 3 (1 semester hour)

Candidate may request lower unit count (2 semester hours) only if candidate has a prior earned and valid teaching credential. This is a continuation of EDCE 5982.

Prerequisites: EDCE 5981 and EDCE 5982.
Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDCE 5984 Special Education Fieldwork and Seminar 4 (2 semester hours)

Candidate may request lower unit count (2 semester hours) only if candidate has a prior earned and valid teaching credential. This is a continuation of EDCE 5983, offered in a seminar format, and is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that evolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher. This course is designed around the needs of the candidates and meets on a weekly basis.

Prerequisites: EDCE 5981, EDCE 5982, and EDCE 5983.
Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDCE 5998 Special Studies (1-3 semester hours)**EDCE 5999 Independent Studies (1-3 semester hours)****EDCE 6955 Master's Thesis I (1 semester hour)**

This course is intended for students working on a master's thesis. The committee chair provides ongoing support for the master's thesis.

Credit/No Credit only.

EDCE 6956 Master's Thesis II (1 semester hour)

A continuation of Master's Thesis I for students who have not completed their master's thesis.

Credit/No Credit only.
Special approval required.

EDCE 6957 Master's Thesis III (1 semester hour)

A continuation of Master's Thesis II for students who have not completed their master's thesis.

Credit/No Credit only.
Special approval required.

EDCE 6965 Action Research Fieldwork Support Course I (1 semester hour)

This is a field experience course that supports a group of Professional 2042 Clear candidates within the following framework: the candidate will meet weekly with a University Support Provider who will guide the candidate through the individual induction plan process. This process includes individual assessment, observations, conversations, portfolio development and support in the areas designated by the individual induction plan. A small group will meet four times during the semester with the University Support Provider. These meetings are in addition to any feedback sessions that are held between the University Support Provider and candidate. The fifth year University Support Providers will be in contact with the professors who teach the integrated advanced course work to support the collaboration model. Candidates are required to demonstrate competency in the area of the California Standards for the Teacher Profession (CSTP) related to the integrated courses they are currently attending. In order for candidates to receive credit in this course, they must demonstrate competency in the CSTPs and Professional 2042 Clear standards through a portfolio presentation.

Credit/No Credit only.

EDCE 6966 Action Research Fieldwork Support II (1 semester hour)

This is the continuation of EDCE 6965, a course that supports a group of Professional 2042 Clear candidates within the following framework: the candidate will meet weekly with a University Support Provider who will guide the candidate through the individual induction plan process. This process includes individual assessment, observations, conversations, portfolio development and support in the areas designated by the individual induction plan. A small group will meet four times during the semester with the University Support Provider. These meetings are in addition to any feedback sessions that are held between the University Support Provider and candidate. The fifth year University Support Providers will be in contact with the professors who teach the integrated advanced course work to support the collaboration model. Candidates are required to demonstrate competency in the area of the California Standards for the Teacher Profession (CSTP) related to the integrated courses they are currently attending. In order for candidates to receive credit in this course, they must demonstrate competency in the CSTPs and Professional 2042 Clear standards through a portfolio presentation.

Prerequisite: EDCE 6965.

Credit/No Credit only.

EDCE 6995 Comprehensive Examination (0 semester hours)

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program.

Credit/No Credit only.

Special approval required.

Fee required.

EDCE 6998 Special Studies (1-3 semester hours)**EDCE 6999 Independent Studies (1-3 semester hours)****EDES 400 Sociocultural Analysis Ed (3 semester hours)****EDES 402 Teaching Reading in Today's Elementary Classrooms (3 semester hours)**

This course is designed to provide opportunities to prospective teachers to develop their understanding and ability to teach reading to all students in the elementary grades. Particular emphasis will be placed on strategies which will accommodate culturally and linguistically diverse learners. Consideration is given to the procedures, skills development, organizations, systems of instruction and instructional materials utilized in the development of an effective, balanced and integrated approach to reading instruction in the elementary school that supports literacy development.

EDES 403 Reading and Content Learning in Middle and Secondary Schools (3 semester hours)

This course is designed to provide opportunities for prospective teachers to develop understanding of the nature of the reading process in grades 7-12. Emphasis is placed on the role of subject-matter teachers in the overall school reading program. Provides training in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse learners.

Special approval required.

EDES 405 Infancy (3 semester hours)

This course focuses on the first three years of life. It is designed to provide a broad overview of prenatal, infant, and toddler development. Students will advance their understanding of empirical research, application of theory, and analysis. Specifically, theoretical frameworks and contemporary research that have advanced knowledge of infant and toddler development (prenatal to 3 years of age) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones as they are manifested by infants and toddlers as well as be introduced to specific disorders and delays associated with early childhood development. Students will explore the environmental influences on development such as parenting, poverty, second language acquisition, disability, and policy.

Field experience will be required.

EDES 406 Early Childhood (3 semester hours)

This course focuses on theoretical frameworks and contemporary research that have advanced knowledge of the preschool period (ages 2-8 years) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones exhibited by preschoolers. Students will explore the environmental influences on development such as peer relationships, early childhood education experiences, parenting, socialization, poverty, second language acquisition, disability, prejudice, and policy. Research findings and methods will be utilized to study the transition to formal education and literacy development.

Field experience will be required.

EDES 407 Child, Family, and Community (3 semester hours)

Students will analyze and interpret current social, cultural, institutional, and psychological factors that influence parents and children including: support systems, family structures, lifestyles, communication, attachment, personality, divorce, single parenting, socioeconomic status, prejudice and discrimination, public policies, physical and mental illness/disability, maltreatment, educational settings, and the media. Core developmental theories and related research findings will be analyzed and explored as they apply to today's world.

EDES 408 Early Childhood Education Programs and Curriculum (3 semester hours)

Students will examine the history of early childhood education as well as contemporary program design and philosophy. An analysis of the impact of public policy in the United States on the ECE field will demonstrate the links between government and the family. Students will gain an understanding of implementing philosophy through environmental space planning, program policies, and curriculum design. Developmentally appropriate practice will be analyzed across all groups of children including those with special needs and second language learners. Students will be able to identify multicultural and anti-bias curriculum as well as advance their cultural competence.

Field experience will be required.

EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content area instruction. Fluency and literacy in Spanish is required. This course is required for the Bilingual Authorization.

Special approval required.

EDES 418 Bilingualism and Biliteracy (3 semester hours)

This course focuses on the assessment and implications of the continua of biliteracy development through analysis of case studies. Research on the complexity of factors that impact biliteracy development for preschool through adolescent students will be discussed.

Fluency and literacy in Spanish is required.

This course is a requirement of the Bilingual Authorization.

Special approval required.

EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Spanish and English.

This course is a requirement of the Bilingual Authorization.

Special approval required.

EDES 425 Methods English Language Development & Specially Designed Academic Instruction English (Elementary) (3 semester hours)

The goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP), or Section 504 plan in elementary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester.

Fieldwork hours are required.

Special approval required.

EDES 426 Methods English Language Development & Specially Designed Academic Instruction English (Secondary) (3 semester hours)

The goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP), or Section 504 plan in secondary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester.

Fieldwork hours are required.

Special approval required.

EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs including programs characteristics, instructional approaches, and selection and use of primary language, with an integrated approach to content and instruction. Fluency and literacy in Mandarin Chinese is required.

Special approval required.

EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chinese/American/American Chinese groups, particularly as represented in educational setting. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups. This course is conducted bilingually in Chinese and English. This course is a requirement for the Bilingual Authorization.

Special approval required.

EDES 434 Elementary Curriculum and Methods (3 semester hours)

Designed to provide opportunities for prospective teachers to develop professional knowledge and competence for teaching history/social science, mathematics, and science in kindergarten and grades 1 through 12, this course will deal with purpose, content, procedures and organization, and instruction in those curricular areas as prescribed by the California State adopted frameworks and academic content standards. This course focuses on the instructional methods and classroom management for the elementary classroom. Students should acquire skills in classroom discipline, creation of lesson plans, utilizing a variety of instructional and evaluation methods, and classroom teaching. Course shall include all state-mandated content areas including culturally and linguistically diverse teaching techniques/methods for history/social science, mathematics, and science.

A fieldwork component will be required.

Special approval required.

EDES 484 Methods in Teaching Secondary Languages Other Than English (3 semester hours)

This class will address the communicative approach to instruction in languages other than English. Major themes to include: proficiency-based instruction, the competency-based classroom/curriculum, critical issues in the reception and the production stages of second language acquisition, strategies to support and achieve these goals.

Special approval required.

EDES 485 Methods in Teaching Secondary Social Studies (3 semester hours)

This course is designed to provide opportunities for prospective teachers to observe, develop, and practice a variety of methods to create positive learning environments, effective discipline, and traditional and alternative assessments. Emphasis is placed on strategies to include and challenge students with widely ranging linguistic and academic abilities, diverse learning styles, and varying cultural backgrounds. Methods and content are closely tied to the California State History - Social Science Framework for grades 6-12.

A field experience component will be required.

Special approval required.

EDES 486 Methods in Teaching Secondary English (3 semester hours)

This course addresses the concerns and needs of future English teachers. Major areas covered include developing a multicultural curriculum for all students, creating lesson plans, examining meaning making strategies for reading, instructing the writing process, teaching grammar in context, looking at methods of authentic classroom assessment, and building classroom portfolios. Methods and content are closely tied to the California Common Core State Standards for grades 6-12.

A field experience component will be required.

Special approval required.

EDES 487 Methods in Teaching Secondary Science (3 semester hours)

This course prepares secondary science teaching candidates to teach science using an inquiry approach as described in the National Science Education Standards (National Research Council, 1996, 2000) by integrating the three dimensions of A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas (National Research Council, 2012), in an effort to meet the student's performance expectations outlined in The Next Generation Science Standards (NGSS) (National Research Council, 2013). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for their students.

A field experience component will be required.

Special approval required.

EDES 488 Methods in Teaching Secondary Math (3 semester hours)

This course prepares candidates to teach mathematics using a balanced approach, including computational and procedural skills, conceptual understanding, and problem solving/inquiry, outlined in the California Mathematics Framework, National Common Core State Standards (CCSS); Mathematical Practice Standards (MP), and Smarter Balanced Assessment Consortium (SBAC). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven in to support teachers in creating effective learning environments for their students.

A field experience component will be required.

Special approval required.

EDES 498 Special Studies (1-3 semester hours)**EDES 499 Independent Studies (1-3 semester hours)****EDES 501 Teaching and Learning in Diverse Communities (3 semester hours)**

This course examines the teaching and learning environment through an analysis of the physical, intellectual, emotional, cultural and ethnic factors affecting development and learning during childhood and adolescent years. Emphasis is placed on implications for teaching and learning PK-12 schools.

Clinical practice is a required component of this course.

Permission of Coordinator required.

EDES 502 Creating and Leading Effective Classroom Environments (3 semester hours)

This course is designed to provide an overview of the teaching profession, classroom management and leadership through an equity lens. This course will include an analysis of research, theories, and practice. Teacher candidates will acquire a personal understanding of who they are as teachers and recognize how their individuality and personal beliefs affect their views and actions on teaching. Teacher candidates will explore classroom management strategies that create and sustain positive and productive learning environments for all students. The course also includes an analysis of teacher leadership and the characteristics of effective collaborative relationships within and among schools, families, and communities. Each teacher candidate will begin to develop an individual approach to building an inclusive, productive, and well-structured learning environment.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 503 Language Theory and Pedagogy: Second Language Acquisition (3 semester hours)

Course content includes theoretical perspectives in first and second language acquisition, language teaching methodologies, assessment, identification, and program placement for English Learners (ELs), as well as their practical implications for the classroom. A brief overview of historical, political, and legal issues related to second language acquisition are addressed, as well as their impact on existing educational policies.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 504 Assessment to Inform Instruction for Diverse Students (3 semester hours)

This course will examine best current practices and principles of assessment for diverse students. The characteristics and uses of both formal and informal assessment strategies and instruments and procedures will be studied with emphasis on formative assessment and progress monitoring as well as principles and practices for effective standards-based instruction. Candidates will learn how to design, administer, and interpret a variety of assessment measures to inform instruction.

Clinical Practice is a required component of the course.
Permission of Coordinator required.

EDES 505 Perspectives and Policies that Guide Education (2 semester hours)

This course will prepare candidates to know the governmental, political, financial, legal, and historical perspectives of education in California as well as laws specific to students with and without disabilities and students who are English Learners.

Clinical Practice is a required component of this course.
Permission of Coordinator required.

EDES 506 Using Technology in the Classroom (1 semester hour)

This course is designed to build proficiency in the use of effective technology in the K-12 classroom. Students will explore appropriate use of technology for instruction, engagement, communication, professional development, differentiation, and data analysis. In addition, the course examines classroom technology integration as well as Blended Learning educational environments.

Clinical Practice is a required component of the course.
Permission of Coordinator required.

EDES 507 Integrated Teaching Methods for Diverse Populations (3 semester hours)

Goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Learners, students with an Individualized Education Plan, Individualized Services Plan, or Section 504 plan in all classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, UDL and MTSS. Students will also acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' achievement of state-adopted academic standards in all content areas. This practical course requires participation in, and completion of, clinical practice activities throughout the semester.

Permission of Coordinator required.

EDES 508 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom (3 semester hours)

This course addresses the literacy needs of all PK-5 students. Course content includes evidence-based approaches to early literacy instruction, methods to differentiate instruction in English Language Arts, use of appropriate literacy assessments, and methods to implement effective intervention strategies. Response to Intervention (RTI), literacy needs of ELLs and students with mild-moderate disabilities as well as visual/performing/creative arts will be explored as it relates to literacy instruction. Candidates who successfully complete this class should be prepared for the RICA (Reading Instruction Competency Assessment) exam across all reading domains. This course also prepares candidates to teach the CA History Social Science content standards through lesson design and implementation in order to meet the needs of all learners. Visual and Performing arts standards as well as their integration across curriculum are also addressed.

Clinical Practice is a required component of this course.
Consent of Coordinator required.

EDES 509 STEM Integrated Methodology and Elementary Curriculum (3 semester hours)

This course is designed to provide opportunities for prospective teachers to provide professional knowledge and competence for teaching Science, Technology, Engineering and Math (STEM) literacy. Students will be engaged in long- and short-term planning, implementing lessons using differentiated instruction and creating authentic formative and summative assessments that will be used to drive instruction. This course will be taught using an integrated inquiry approach, and Next Generation Science Standards (NGSS) and the California Common Core State Standards in Math (CA CCSSM) will be explored and implemented. Classroom observation and participation will occur simultaneously with coursework, showcasing authentic classroom environments and effective teaching strategies in action.

Clinical Practice is a required component of this course.
Permission of Coordinator required.

EDES 510 Elementary Teaching Seminar (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice. Clinical practice begins on two full days per week for the first seven weeks and the expands to full-time in the last eight weeks. Candidates will be supervised during their student teaching which will take place in one culturally diverse public elementary school. Supervision and support will be provided by a master teacher and LMU fieldwork instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students.

Attendance at weekly seminar is required.
Credit/No Credit only.
Permission of Coordinator required.

EDES 511 Content Literacy for Single Subject Educators (3 semester hours)

This course is designed to provide opportunities for those seeking a secondary credential to develop an understanding of the nature of reading and how it impacts content area learning. Throughout the course, candidates will engage in learning and putting into practice a variety of instructional methodologies to meet the literacy needs of all learners. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 512 Secondary Content Methodology for Teaching Languages Other than English (3 semester hours)

This class will address the communicative approach to language instruction. Major themes to include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; strategies to support and achieve these goals. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 513 Secondary Content Methodology for Teaching Social Science (3 semester hours)

This course is designed to help prospective teaching candidates observe, collaborate, and develop effective teaching practices aimed at preparing them for the diverse challenges they will face as they enter the education profession. Classes will be structured to create a collaborative learning environment while providing practical activities that prospective teachers will be able to use or adapt once they are teaching a class. Emphasis is placed on strategies to include and challenge students with widely ranging linguistic and academic abilities, diverse learning styles, and varying cultural backgrounds. Methods and content are closely tied to the California State Standards for grades 6-12. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 514 Secondary Content Methodology for Teaching English (3 semester hours)

This course addressed the concerns and needs of future English teachers. Major areas covered include developing a multicultural curriculum for all students, creating lesson plans, examining meaning, making strategies for reading, instructing the writing process, teaching grammar in context, looking at methods of authentic classroom assessment, and building classroom portfolios. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Methods and content are closely tied to the California Common Core State Standards for grades 6-12.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 515 Secondary Content Methodology for Teaching Science (3 semester hours)

This course prepares secondary science teaching candidates to teach science using an inquiry-based approach. Methods for long and short range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for their students. Candidate will utilize the 5E model to integrate the three Next Generation Science Standards (NGSS) dimensions (practices, crosscutting concepts, and disciplinary core ideas) to plan instruction, link scientific knowledge to instructional pedagogy, integrate literacy instruction, effectively engage students through inquiry, design measurable learning objectives that drive instruction, create formative and summative assessments, and organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 516 Secondary Content Methodology for Teaching Math (3 semester hours)

This course prepares candidates to teach mathematics using a balanced approach, including computational and procedural skills, conceptual understanding, and problem solving/inquiry, outlined in the California Mathematics Framework, National Common Core State Standards (CCSS), Mathematical Practice Standards (MP), and Smarter Balanced Assessment Consortium (SBAC). Methods for long and short range planning, unit plan design, and creation of authentic assessments are woven in to support teachers create effective learning environments for their students. Candidates learn how to plan instruction by linking mathematical/scientific knowledge to instructional pedagogy, design measurable learning objectives that drive instruction implementation, and organize learning to connect to student culture, prior knowledge, interests, goals, and learning needs to include English learners and students with diverse needs. Candidates learn how to anticipate mathematics learning obstacles, student misconceptions, to plan multiple learning opportunities to increase student learning with a focus on students' mathematical thinking, mathematical representation, mathematical language, mathematics curriculum, culturally responsive instructional planning and implementation, classroom discourse, and assessment (MLD Methodologies). This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 517 Secondary Content Methodology for Teaching Art (3 semester hours)

This seminar builds off early fieldwork experiences and examines the theoretical, historical, and practical issues of art education. The content will be based on the Visual and Performing Arts Framework and California Student Academic Content Standards for Visual Arts. The class provides a context in which to engage in a critical dialogue about the multiple components and issues of arts education for practicing professionals. Through study of important historical as well as contemporary examples of successful models of arts education students will learn, on a very practical level, about the development, implementation, and assessment of a successful and responsible art education curriculum. Projects will involve creating a unit of standards-based lesson plans that demonstrate both theoretical and practical applications of the following: teaching methods, classroom practices, assessment, technology, community and collaboration, teacher preparation and content issues such as multiculturalism, artists and art history, and integration of academic disciplines and state standards into art education. Throughout this course, students will develop an expertise needed to foster secondary students' capabilities, creativity, imagination, and artistic growth while designing and standards-based curriculum and lessons. Students will discover how artistic perception, creative expression, historical and cultural context, and aesthetic valuing can help them and their students think critically and analytically. Pre-service teachers will also learn the importance of connecting and applying visual arts to other art forms, subject areas, and to careers. Students will develop competency in using technology as a presentation and a research/problem-solving tool. Students will compile course material into a teaching resource portfolio and a professional portfolio. Portfolios will include all class projects and demonstration of understanding exhibited through written and presented materials.

Clinical Practice is a required component of this course.
Permission of Coordinator required.

EDES 518 Secondary Teaching Seminar (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice. Clinical practice begins on two full days per week for the first seven weeks and then expands to full-time in the last eight weeks. Candidates will be supervised during their student teaching which will take place in one culturally diverse public middle or high school, in the candidate's content area. Supervision and support will be provided by a master teacher and LMU fieldwork instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.
Permission of Coordinator required.

EDES 519 Clinical Supervision 1 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.
Permission of Coordinator required.

EDES 522 Elementary Clinical Supervision 2 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.
Permission of Coordinator required.

EDES 523 Elementary Clinical Supervision 3 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 524 Elementary Clinical Supervision 4 (2-5 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 532 Secondary Clinical Supervision 2 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 533 Secondary Clinical Supervision 3 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 534 Secondary Clinical Supervision 4 (2-5 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 598 Special Studies (0-3 semester hours)**EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years (3 semester hours)**

A study of the learning environment, the evaluation of learning and the teaching/learning process. An analysis of the physical, intellectual, emotional, cultural, and ethnic factors affecting development, learning, and behavior. This course is a prerequisite for acceptance into the Multiple Subject Credential Program. Emphasis is placed on implications for teaching and learning in the primary and elementary grades.

Fieldwork is required.

Special approval required.

EDES 5003 Theories and Policies of Second Language Acquisition (3 semester hours)

Course content includes theoretical perspectives in first and second language acquisition, language teaching methodologies, assessment, identification, and program placement for English Language Learners. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education; federal, state, and local legislation; bilingual education models; and the role of parents and paraprofessionals in English language development and instructional programs for linguistic minorities.

Fieldwork is required.

Special approval required.

EDES 5101 Teaching and Learning in Diverse Communities (3 semester hours)

This course examines the teaching and learning environment through an analysis of the physical, intellectual, emotional, cultural, and ethnic factors affecting development and learning during childhood and adolescent years. Emphasis is placed on implications for teaching and learning in PK-12 schools.

Clinical practice is a required component of this course.

Permission of Coordinator required.

EDES 5102 Creating and Leading Effective Classroom Environments (3 semester hours)

This course is designed to provide an overview of the teaching profession, classroom management and leadership through an equity lens. This course will include an analysis of research, theories, and practice. Teacher candidates will acquire a personal understanding of who they are as teachers and recognize how their individuality and personal beliefs affect their views and actions on teaching. Teacher candidates will explore classroom management strategies that create and sustain positive and productive learning environments for all students. The course also includes an analysis of teacher leadership and the characteristics of effective collaborative relationships within and among schools, families, and communities. Each teacher candidate will begin to develop an individual approach to building an inclusive, productive, and well-structured learning environment.

Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5103 Language Theory and Pedagogy: Second Language Acquisition (3 semester hours)

Course content includes theoretical perspectives in first and second language acquisition, language teaching methodologies, assessment, identification, and program placement for English Learners (ELs), as well as their practical implications for the classroom. A brief overview of historical, political, and legal issues related to second language acquisition are addressed, as well as their impact on existing educational policies. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5104 Assessment to Inform Instruction for Diverse Learners (3 semester hours)

This course will examine best current practices and principles of assessment for diverse students. The characteristics and uses of both formal and informal assessment strategies and instruments and procedures will be studied with emphasis on formative assessment and progress monitoring as well as principles and practices for effective standards-based instruction. Candidates will learn how to design, administer, and interpret a variety of assessment measures to inform instruction. Clinical Practice is a required component of the course.

Permission of Coordinator required.

EDES 5105 Perspectives and Policies that Guide Education (2 semester hours)

This course will prepare candidates to know the governmental, political, financial, legal, and historical perspectives of education in California as well as laws specific to students with and without disabilities and students who are English Learners. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5106 Using Technology in the Classroom (1 semester hour)

This course is designed to build proficiency in the use of effective technology in the K-12 classroom. Students will explore appropriate use of technology for instruction, engagement, communication, professional development, differentiation, and data analysis. In addition, the course examines classroom technology integration as well as Blended Learning educational environments. Clinical Practice is a required component of the course.

Permission of Coordinator required.

EDES 5107 Integrated Teaching Methods for Diverse Populations (3 semester hours)

Goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Learners, students with an Individualized Education Plan, Individualized Services Plan, or Section 504 plan in all classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and production language skills, UDL and MTSS. Students will also acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' achievement of state-adopted academic standards in all content areas. This practical course requires participation in, and completion of, clinical practice activities throughout the semester.

Permission of Coordinator required.

EDES 5108 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom (3 semester hours)

This course addresses the literacy needs of all PK-5 students. Course content includes evidence-based approaches to early literacy instruction, methods to differentiate instruction in English Language Arts, use of appropriate literacy assessments, and methods to implement effective intervention strategies. Response to Intervention (RTI), literacy needs of ELLs and students with mild-moderate disabilities as well as visual/performing/creative arts will be explored as it relates to literacy instruction. Candidates who successfully complete this class should be prepared for the RICA (Reading Instruction Competency Assessment) exam across all reading domains. This course also prepares candidates to teach the CA History Social Science content standards through lesson design and implementation in order to meet the needs of all learners. Visual and Performing arts standards as well as their integration across curriculum are also addressed. Clinical practice is a required component of this course.

Permission of Coordinator required.

EDES 5109 STEM Integrated Methodology and Elementary Curriculum (3 semester hours)

This course is designed to provide opportunities for prospective teachers to provide professional knowledge and competence for teaching Science, Technology, Engineering and Math (STEM) literacy. Students will be engaged in long and short term planning, implementing lessons using differentiated instruction and creating authentic formative and summative assessments that will be used to drive instruction. This course will be taught using an integrated inquiry approach and Next Generation Science Standards (NGSS) and the California Common Core State Standards in Math (CA CCSSM) will be explored and implemented. Classroom observation and participation will occur simultaneously with coursework, showcasing authentic classroom environments and effective teaching strategies in action. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5110 Elementary Teaching Seminar (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice. Clinical practice begins on two full days per week for the first seven weeks and then expands to full-time in the last eight weeks. Candidates will be supervised during their student teaching which will take place in one culturally diverse public elementary school. Supervision and support will be provided by a master teacher and LMU fieldwork instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.

Permission of Coordinator required.

EDES 5111 Content Literacy for Single Subject Educators (3 semester hours)

This course is designed to provide opportunities for those seeking a secondary credential to develop an understanding of the nature of reading and how it impacts content area learning. Throughout the course, candidates will engage in learning and putting into practice a variety of instructional methodologies to meet the literacy needs of all learners. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5112 Secondary Content Methodology for Teaching Languages Other than English (3 semester hours)

This class will address the communicative approach to language instruction. Major themes to include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; strategies to support and achieve these goals. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5113 Secondary Content Methodology for Teaching Social Science (3 semester hours)

This course is designed to help prospective teaching candidates observe, collaborate, and develop effective teaching practices aimed at preparing them for the diverse challenges they will face as they enter the education profession. Classes will be structured to create a collaborative learning environment while providing practical activities that prospective teachers will be able to use or adapt once they are teaching a class. Emphasis is placed on strategies to include and challenge students with widely ranging linguistic and academic abilities, diverse learning styles and varying cultural backgrounds. Methods and content are closely tied to the California State Standards for grades 6-12. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5114 Secondary Content Methodology for Teaching English (3 semester hours)

This course addresses the concerns and needs of future English teachers. Major areas covered include developing a multicultural curriculum for all students, creating lesson plans, examining meaning, making strategies for reading, instructing the writing process, teaching grammar in context, looking at methods of authentic classroom assessment, and building classroom portfolios. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Methods and content are closely tied to the California Common Core State Standards for grades 6-12. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5115 Secondary Content Methodology for Teaching Science (3 semester hours)

This course prepares secondary science teaching candidates to teach science using an inquiry-based approach. Methods for long and short range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for their students. Candidates will utilize the 5E model to integrate the three Next Generation Science Standards (NGSS) dimensions (practices, crosscutting concepts, and disciplinary core ideas) to plan instruction, link scientific knowledge to instructional pedagogy, integrate literacy instruction, effectively engage students through inquiry, design measurable learning objectives that drive instruction, create formative and summative assessments, and organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5116 Secondary Content Methodology for Teaching Math (3 semester hours)

This course prepares candidates to teach mathematics using a balanced approach, including computational and procedural skills, conceptual understanding, and problem solving/inquiry, outlined in the California Mathematics Framework, National Common Core State Standards (CCSS), Mathematical Practice Standards (MP), and Smarter Balanced Assessment Consortium (SBAC). Methods for long and short range planning, unit plan design, and creation of authentic assessments are woven in to support teachers create effective learning environments for their students. Candidates learn how to plan instruction by linking mathematical/scientific knowledge to instructional pedagogy, design measurable learning objectives that drive instruction implementation, and organize learning to connect to student culture, prior knowledge, interests, goals, and learning needs to include English learners and students with diverse needs. Candidates learn how to anticipate mathematics learning obstacles, student misconceptions, to plan multiple learning opportunities to increase student learning with a focus on students' mathematical thinking, mathematical representation, mathematical language, mathematics curriculum, culturally responsive instructional planning & implementations, classroom discourse, and assessment (MLD Methodologies). This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5117 Secondary Content Methodology for Teaching Art (3 semester hours)

This seminar builds off early fieldwork experiences and examines the theoretical, historical, and practical issues of art education. The content will be based on the Visual and Performing Arts Framework and California Student Academic Content Standards for Visual Arts. The class provides a context in which to engage in a critical dialogue about the multiple components and issues of arts education for practicing professionals. Through study of important historical as well as contemporary examples of successful models of arts education students will learn, on a very practical level, about the development, implementation, and assessment of a successful and responsible art education curriculum. Projects will involve creating a unit of standards-based lesson plans that demonstrate both theoretical and practical applications of the following: teaching methods, classroom practices, assessment, technology, community and collaboration, teacher preparation and content issues such as multiculturalism, artists and art history, and integration of academic disciplines and state standards into art education. Throughout this course, students will develop the expertise needed to foster secondary students' capabilities, creativity, imagination, and artistic growth while designing and standards-based curriculum and lessons. Students will discover how artistic perception, creative expression, historical and cultural context, and aesthetic valuing can help them and their students think critically and analytically. Pre-service teachers will also learn the importance of connecting and applying visual arts to other art forms, subject areas, and to careers. Students will develop competency in using technology as a presentation and a research/problem-solving tool. Students will compile course material into a teaching resource portfolio and a professional portfolio. Portfolios will include all class projects and demonstration of understanding exhibited through written and presented materials. Clinical Practice is a required component of this course.

Permission of Coordinator required.

EDES 5118 Secondary Teaching Seminar (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice. Clinical practice begins on two full days per week for the first seven weeks and then expands to full-time in the last eight weeks. Candidates will be supervised during their student teaching which will take place in one culturally diverse public middle or high school, in the candidate's content area. Supervision and support will be provided by a master teacher and LMU fieldwork instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.

Permission of Coordinator required.

EDES 5119 Clinical Supervision 1 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 5122 Elementary Clinical Supervision 2 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 5123 Elementary Clinical Supervision 3 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

Permission of Coordinator required.

EDES 5124 Elementary Clinical Supervision 4 (2 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.
Permission of Coordinator required.

EDES 5132 Secondary Clinical Supervision 2 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.
Permission of Coordinator required.

EDES 5133 Secondary Clinical Supervision 3 (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.
Permission of Coordinator required.

EDES 5134 Secondary Clinical Supervision 4 (2 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.
Permission of Coordinator required.

EDES 5200 Methodology in English Language Development & Specially Designed Acad Instruction in English - Elem (3 semester hours)

Goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP) or Section 504 plan in all elementary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester. Fieldwork hours are required.

Prerequisite: EDES 5003.
Special approval required.

EDES 5250 Methodology English Lang Developmnt & Specially Designed Academic Instruction in English - Secondary (3 semester hours)

Goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP) or Section 504 plan in all secondary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester. Fieldwork hours are required.

Prerequisite: EDES 5003.
Special approval required.

EDES 5251 Methods in Teaching Secondary Languages Other Than English (3 semester hours)

This class will address the communicative approach to language instruction. Major themes include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; strategies to support and achieve these goals.

Special approval required.

EDES 5252 Methods in Teaching Secondary Social Studies (3 semester hours)

This course is designed to provide opportunities for prospective teachers to observe, develop, and practice a variety of methods to create positive learning environments, effective discipline, and traditional and alternative assessments. Emphasis is placed on strategies to include and challenge students with widely ranging linguistic and academic abilities, diverse learning styles, and varying cultural backgrounds. Methods and content are closely tied to the California State Framework for grades 6-12.

A fieldwork component will be required.
Special approval required.

EDES 5253 Methods in Teaching Secondary English (3 semester hours)

This course addresses the concerns and needs of future English teachers. Major areas covered include developing a multicultural curriculum for all students, creating lesson plans, examining meaning, making strategies for reading, instructing the writing process, teaching grammar in context, looking at methods of authentic classroom assessment, and building classroom portfolios. Methods and content are closely tied to the California Common Core State Standards for grades 6-12.

A field experience component will be required.
Special approval required.

EDES 5254 Methods in Teaching Secondary Science (3 semester hours)

This course prepares secondary science teaching candidates to teach science using an inquiry approach as described in the National Science Education Standards (National Research Council, 1996, 2000) by integrating the three dimensions of A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas (National Research Council, 2012), in an effort to meet the student's performance expectations outlined in The Next Generation Science Standards (NGSS) (National Research Council, 2013). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for their students.

A fieldwork component will be required.
Special approval required.

EDES 5255 Methods in Teaching Secondary Math (3 semester hours)

This course prepares candidates to teach mathematics using a balanced approach, including computational and procedural skills, conceptual understanding, and problem solving/inquiry, outlined in the California Mathematics Framework, National Common Core State Standards (CCSS), Mathematical Practice Standards (MP), and Smarter Balanced Assessment Consortium (SBAC). Methods for long-and short-range planning, unit plan design, and creation of authentic assessments are woven in to support teachers in creating effective learning environments for their students.

A fieldwork component will be required.
Special approval required.

EDES 5256 Methods in Teaching Secondary Art (3 semester hours)

This course is designed to provide opportunities for prospective secondary art educators to critically examine the theoretical, historical, psychological, sociological, and practical applications of art education. Projects will involve the development, implementation, and assessment of a successful and socially responsible art education curriculum.

A field experience component will be required.
Special approval required.

EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Spanish and English. This course is a requirement of the Bilingual Authorization.

Special approval required.

EDES 5324 Bilingualism and Biliteracy (3 semester hours)

This course focuses on the assessment and implications of the continua of biliteracy development through analysis of case studies. Research on the complexity of factors that impact biliteracy development for preschool through adolescent students will be discussed.

Special approval required.

EDES 5325 Curriculum and Instructional Leadership in a Bilingual Setting (3 semester hours)

Theory and application of curriculum development to bilingual instructional programs. These include design, organizational patterns and resources, materials and media, change strategies, and evaluation.

Special approval required.

EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chinese/American/American Chinese groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Chinese and English. This course is a requirement of the Bilingual Authorization.

Special approval required.

EDES 5400 Developmental Theories (3 semester hours)

Students will critically analyze core theories regarding the historical and philosophical roots of developmental science. Students will also evaluate contemporary theories of child development. Students will connect research findings and empirical methods with theory and practice.

Special approval required.

EDES 5401 Infancy (3 semester hours)

This course focuses on the first three years of life. It is designed to provide a broad overview of prenatal, infant, and toddler development. Students will advance their understanding of empirical research, application of theory, and analysis. Specifically, theoretical frameworks and contemporary research that have advanced knowledge of infant and toddler development (prenatal to 3 years of age) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones as they are manifested by infants and toddlers as well as be introduced to specific disorders and delays associated with early childhood development. Students will explore the environmental influences on development such as parenting, poverty, second language acquisition, disability, and policy.

Field experience will be required.
Special approval required.

EDES 5402 Early Childhood (3 semester hours)

This course focuses on theoretical frameworks and contemporary research that have advanced knowledge of the preschool period (ages 2-8 years) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones exhibited by preschoolers. Students will explore the environmental influences on development such as peer relationships, early childhood education experiences, parenting, socialization, poverty, second language acquisition, disability, prejudice, and policy. Research findings and methods will be utilized to study the transition to formal education and literacy development.

Field experience will be required.
Special approval required.

EDES 5403 Cognition and Language (3 semester hours)

Students will analyze core cognitive theories in-depth, including an understanding of how these theories developed and related historical and contemporary research findings. Students will also examine core theoretical issues related to language and demonstrate knowledge of how the components of language are learned. Students will also be introduced to specific disorders and delays associated with cognition and language and gain knowledge in the identification and treatment for children with special needs. Additionally, students will examine the development of bilingual children and the needs of second language learners in education.

Special approval required.

EDES 5404 Child, Family, and Community (3 semester hours)

Students will analyze and interpret current social, cultural, institutional, and psychological factors that influence parents and children including: support systems, family structures, lifestyles, communication, attachment, personality, divorce, single parenting, socioeconomic status, prejudice and discrimination, public policies, physical and mental illness/disability, maltreatment, educational settings, and the media. Core developmental theories and related research findings will be analyzed and explored as they apply to today's world.

Special approval required.

EDES 5405 Early Childhood Education Programs and Curriculum (3 semester hours)

Students will examine the history of early childhood education as well as contemporary program design and philosophy. An analysis of the impact of public policy in the United States on the ECE field will demonstrate the links between government and the family. Students will gain an understanding of implementing philosophy through environmental space planning, program policies, and curriculum design. Developmentally appropriate practice will be analyzed across all groups of children including those with special needs and second language learners. Students will be able to identify multicultural and anti-bias curriculum as well as advance their cultural competence.

Field experience will be required.
Special approval required.

EDES 5406 Social and Emotional Development (3 semester hours)

Core theories of social and emotional development will be critically analyzed and applied in the contemporary world as well as recent research findings. Students will demonstrate knowledge in core components of social development including self-concept, identity, temperament, personality behavior, peer relationships, parent-child relationships, socialization, social competence, and environmental influences such as childcare, schools, communities, culture, and the media. Students will demonstrate knowledge in core components of emotional development including attachment, identification of feelings, emotional regulation, risk and resiliency.

Field experience will be required.
Special approval required.

EDES 5407 Research Methods and Early Childhood Assessment (3 semester hours)

Students will gain knowledge in planning and conducting research as well as further advance their written communication skills. Students will critically evaluate published research. Students will use and apply various observation techniques such as narrative records, running records, time sampling, and event sampling to the understanding of child behavior and developmental processes. Students will demonstrate data analysis skills. Students will gain knowledge in the assessment of both typical and atypical development. Students will explore issues of professional ethics related to working with parents and teachers when special needs in children are identified and require intervention.

Field experience will be required.
Special approval required.

EDES 5408 Early Childhood Education Program Administration (3 semester hours)

The focus of this course is to provide an overview of the knowledge and skills necessary to develop and administer an early care and education facility. Instruction will examine the management, supervision, and leadership of early childhood programs that serve children from infancy through age eight within the framework of planning, implementing, and evaluating programs of various sponsorship and purpose. Topics of special consideration will include: leadership and staff management, enrollment and public relations, program philosophy and curriculum, ethics, physical facilities, finance and budget, family and community relations, government/state licensing regulations, program evaluation and accreditation systems, environmental space planning, health and safety issues, in addition to other relevant administrative topics. Moreover, this course covers the history and goals of early childhood education, including laws governing early childhood centers and illustrating how historical and contemporary societal pressures influence early care and education programs with a focus on administrative issues.

Fieldwork experience will be required.
Special approval required.

EDES 5964 Leadership and Clinical Practice (2 semester hours)

This course is designed to enhance the field experience of teacher practitioners/interns through reflective discussions that evolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates and university personnel. The course is customized around the early childhood interests of the candidates.

Credit/No Credit only.
Special approval required.

EDES 5998 Special Studies (0-3 semester hours)**EDES 5999 Independent Studies (1-3 semester hours)****EDES 6001 Theory and Applications in Developmental Reading Instruction (3 semester hours)**

This graduate course considers linguistic, physiological, psychological, and cultural concerns, which address the literacy needs of all learners, which include differentiated instruction, Response to Intervention, and literacy techniques for English Language Learners. Approaches, methods, processes, and techniques for teaching literacy skills in grades PK-12 are discussed.

EDES 6002 Assessing the Reading Performance of Struggling Readers (3 semester hours)

Principles of assessment, evaluation, and prognostic procedures in reading. Use of effective formal and informal assessments and evaluation instruments for all students. Communication of assessments results to stakeholders; alignment of assessment with instructional programs.

EDES 6003 Detection and Diagnosis of Literacy Difficulties (3 semester hours)

This course is a study of the detection and diagnosis of literacy difficulties of elementary, middle, and high school students. It includes an introduction and examination of methods and materials best suited for correcting reading deficiencies as well as techniques for promoting better reading, writing and study habits.

EDES 6004 Looking at the Classroom Culture through a Linguistic Lens (3 semester hours)

This course provides opportunities to study teaching as a linguistic process for creating and maintaining classroom culture. The course emphasizes a holistic exploration of the influences of language interactions (examining language attitudes and practices through discourse analysis), language structure (phonology and phonetics, morphology and syntax), language assessment, and language/literacy development as foundations for first and second language and literacy acquisition.

EDES 6005 Resourcing and Implementing Technology for Effective Reading (3 semester hours)

This course is designed to explore the impact that technology has on reading instruction. Through individual and group projects, using a variety of media, topics cover children and adolescent literature, current research, emerging trends, and practical classroom applications. Inquiry into topics such as: educational technology policies, both nationally and locally, the digital divide, gender and ethnic bias, evaluation and appropriate use of educational technologies and assistive technologies.

EDES 6006 Literacy Curriculum and Design Implementation (3 semester hours)

What should students learn and experience in the classroom? Who decides the content and how it should be taught? How will we know that all students have mastered it? From antiquity to the present, human beings have clashed over these fundamental yet highly charged questions regarding the nature of curriculum. Drawing on theory and practice, past and present, this course explores answers to the above questions and looks at the direction of today's education policies and practices, especially with regard to curriculum standards, accountability, and student assessment under the 2015 Every Student Succeeds Act (ESSA).

EDES 6007 Critical Analysis of Current Literacy Education in Urban Schools (3 semester hours)

In this course, candidates will engage in a critical analysis of literacy research that examines current models of the reading process and their influence on the curriculum, as well as instructional and assessment issues in reading language arts. Emphasis will be placed on the understanding of how students from a variety of socio-cultural and linguistic backgrounds learn to read.

EDES 6008 Motivating All Readers in the Content Areas (3 semester hours)

This course examines the teaching of reading in and across subject matter disciplines. It will provide research-based foundational knowledge to help teachers make sound instructional decisions for struggling readers with regards to content-area reading instruction and intervention methods for middle school, high school, and adult readers in urban and under-resourced settings.

EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners (3 semester hours)

This course will explore the role language differences plays in learning to read and comprehend English. Since most major urban centers in the US have a large percentage of language minority students, teachers need to be aware of evidence-based strategies and practices that will promote and encourage learning for all children.

EDES 6080 Advance Course 1: Special Populations, English Language Learners, Health, and Technology (3 semester hours)

This course integrates the advanced study of technology with the study of teaching English Learners and Special Needs students. The course will address pedagogy and equity for all students by advancing the study of, and methods for, delivering appropriate educational services to students with exceptional needs, and the study of teaching English learners which build upon, extend, and deepen candidates' subject matter and pedagogic knowledge based on their preliminary credential programs and the California Standards for the Teaching Profession (CSTP). Candidates will address the areas of information literacy, the digital divide, and using technology to create lifelong learners. Health and safety issues, student wellness and resiliency, as well as classroom emergency response plans, are all addressed in the coursework to help candidates maximize learning and maintain well-managed classrooms.

Special approval required.

EDES 6081 Advance Course 2: Special Populations, English Language Learners, Health, and Technology (3 semester hours)

This course integrates the advanced study of technology and the teaching of English Learners and Special Needs students. The course will address pedagogy and equity for all students by advancing the study of, and methods for, delivering appropriate educational services to student with exceptional needs, and the study of teaching English learners which build upon, extend, and deepen candidates' subject matter and pedagogic knowledge based on their preliminary credential programs and the California Standards for the Teaching Profession (CSTP). Candidates will address the areas of information literacy, the digital divide, and using technology to create lifelong learners. Health and safety issues, student wellness and resiliency, as well as classroom emergency response plans, are all addressed in the coursework to help candidates maximize learning and maintain well-managed classrooms.

Special approval required.

EDES 6103 Curriculum and Instructional Leadership (3 semester hours)

What should students learn and experience in the classroom? Who decides the content and how it should be taught? How will we know that all students have mastered it? From antiquity to the present, human beings have clashed over these fundamental yet highly charged questions regarding the nature of curriculum. Drawing on theory and practice, past and present, this course explores answers to the above questions and looks at the direction of today's education policies and practices, especially with regard to curriculum standards, accountability, and student assessment under No Child Left Behind.

Special approval required.

EDES 6200 Elementary School Curriculum and Methods (3 semester hours)

This course focuses on instructional methods for mathematics, science, and social studies for the culturally diverse elementary classroom. Students will acquire skills in the creation of lesson plans utilizing a variety of instructional and evaluation methods, and classroom teaching. Course will include all state mandated content areas.

A field experience component will be required.

Special approval required.

EDES 6202 Teaching Reading for Today's Learners (3 semester hours)

This course considers linguistic, physiological, psychological, and cultural concerns which address the literacy needs of all students, including English Language Learners and students with disabilities. Course content includes evidence-based approaches to language arts/literacy instruction, assessment, differentiated instruction, Response to Intervention (RTI), literacy needs of ELLs and students with mild-moderate disabilities, as well as methods, processes, and techniques for teaching literacy skills in grades K-12. This course prepares candidates for the RICA.

Fieldwork is required.

Special approval required.

EDES 6203 Reading and Content Learning in Middle and Secondary Schools (3 semester hours)

This course is designed to provide opportunities for those seeking a secondary credential to develop an understanding of the nature of reading and how it impacts content area learning. Emphasis is placed on the role of subject-matter teachers in the overall school reading program. The course provides training in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students.

Fieldwork is required.

Special approval required.

EDES 6250 Improvement of Literacy in Single Subject Classrooms (3 semester hours)

This course is designed to develop an understanding of the nature of literacy and how it impacts content area learning. Provides training in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students.

Fieldwork is required.

Admission to program required.

EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction. Fluency and literacy in Spanish is required.

Special approval required.

Prerequisite: EDES 5003.

EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction. Fluency and literacy in Mandarin Chinese is required.

Special approval required.

Prerequisite: EDES 5003.

EDES 6340 Educational Linguistics (3 semester hours)

An in-depth study of the interrelationship between language and schooling. Classroom-based analysis of contexts of language variation and usage is emphasized, with a focus on language testing, the teaching of phonology, vocabulary and grammar, and discourse analysis.

EDES 6341 Found of Literacy Instru (3 semester hours)**EDES 6342 Diagnosing and Developing Literacy Skills (3 semester hours)**

Theoretical and practical considerations of the causes of deficiencies in the literacy skills of elementary and secondary students; methods and materials best suited for correcting deficiencies and techniques for promoting better literacy habits.

Prerequisite: EDES 6201 or 6341.

Co-requisite: EDES 6343.

EDES 6343 Practicum in Diagnosing and Developing Literacy Skills (3 semester hours)

Practicum taken in conjunction with EDES 6342. Each student works with two readers deficient in literacy skills, learns diagnostic and prescriptive teaching techniques, administers psychological tests, screening tests of vision and hearing, and formulates case histories.

Co-requisite: EDES 6342.

Permission of Program Director required.

EDES 6344 Seminar in Literacy Leadership and Professional Development (3 semester hours)**EDES 6345 Literacy Fieldwork (1-3 semester hours)**

Supervised fieldwork experiences will focus on the direct application of classroom knowledge and training. Candidates will demonstrate their knowledge and skills in the area of literacy and will include reflective discussions focusing on the lessons observed.

Credit/No Credit only.

Special approval required.

EDES 6346 Advanced Practicum for At-Risk Students (3 semester hours)

In this advanced course for the Reading Specialist Credential, candidates will engage in a critical analysis of literacy research that examines current models of the reading process and their influence on curriculum, instructional and assessment issues in reading/language arts. Emphasis will be placed on the understanding of how students from a variety of socio-cultural and linguistics backgrounds learn to read.

Prerequisites: EDES 6342 and 6343.

Permission of Program Director required.

EDES 6347 Rsrch/Trnds Lity At-Risk Stds (3 semester hours)

This course is required for the Reading Specialist Credential and includes methods for diagnosing and providing appropriate intervention approaches for meeting the needs of students with severe reading difficulties. Candidates will gain knowledge and experience, practice skills acquired in course work, and demonstrate competency in the skills required by a Reading Specialist.

Prerequisites: EDES 6342 and 6343.

Permission of Program Director required.

EDES 6348 Field Experience in Professional Literacy Leadership (3 semester hours)

The purpose of the fieldwork component for the Reading Specialist Credential is two-fold. First, it provides experience in the teaching of reading/language arts in grades K-12. Secondly, it provides opportunities for candidates to experience and participate in the variety of duties associated with a leadership position in a school and/or school district.

Prerequisites: EDES 6346 and 6347.

Permission of Program Director required.

EDES 6350 Linguistics and Reading (3 semester hours)

This course provides opportunities to study teaching as a linguistic process for creating and maintaining classroom culture. The course emphasizes a holistic exploration of the influences of language interactions (examining language attitudes and practices through discourse analysis), language structure (phonology and phonetics, morphology and syntax), language assessment, and language/literacy development as foundations for first and second language and literacy acquisition.

Special approval required.

EDES 6351 Assessment in Reading Performance (3 semester hours)

Principles of assessment, evaluation, and prognostic procedures in reading; use of effective formal and informal assessments and evaluation instruments for all students. Communication of assessments results to stakeholders; alignment of assessment with instructional programs.

Special approval required.

EDES 6352 Seminar: The Reading Professional (3 semester hours)

This course is designed to help students gain research skills and knowledge about literacy contexts, theories, practices, and the ways in which the social and cultural dimensions of literacy influence, and are influenced by, educational policies. Students will evaluate historical, educational, and social research to prepare for a final PowerPoint presentation.

Special approval required.

EDES 6353 Technology and Reading (3 semester hours)

This course is designed to explore the impact that technology has on reading instruction. Through individual and group projects, using a variety of media, topics cover children and adolescent literature, current research, emerging trends, and practical classroom applications. Inquiry into topics such as: educational technology policies, both nationally and locally, the digital divide, gender and ethnic bias, evaluation and appropriate use of educational technologies and assistive technologies.

Special approval required.

EDES 6354 Reading Development and Instruction (3 semester hours)

This graduate course considers linguistic, physiological, psychological, and cultural concerns which address the literacy needs of all learners, which include differentiated instruction, Response to Intervention (RTI), and literacy techniques for English Language Learners. Approaches, methods, processes, and techniques for teaching literacy skills in grades P-12 are discussed. This course meets the requirements for the Master's degree in Reading Instruction and is a required course for the Reading and Literacy Added Authorization.

Special approval required.

EDES 6355 Introduction to Reading Difficulties (3 semester hours)

This course is a study of the detection and diagnosis of literacy difficulties of elementary, middle, and high school students. It includes an introduction and examination of methods and materials best suited for correcting reading deficiencies as well as techniques for promoting better reading, writing, and study habits.

Prerequisite: EDES 6202 or EDES 6354.

Corequisite: EDES 6356.

Special approval required.

EDES 6356 Diagnosis and Intervention in Reading - Practicum I (3 semester hours)

This practicum includes an in-depth study of prescriptive teaching techniques. Students learn to assess and plan intervention strategies to help develop literacy skills in children who are struggling with the reading process. Included among the techniques are: specific skill and psychological tests, screening tests of vision and hearing, as well as interpreting and writing case studies.

Prerequisites: EDES 6202 or EDES 6354.

Corequisite: EDES 6355.

Special approval required.

EDES 6357 Advanced Diagnosis and Intervention in Reading - Practicum II (3 semester hours)

This course includes methods for diagnosing and providing appropriate and innovative intervention approaches for meeting the needs of students with severe reading difficulties. Candidates will gain knowledge and experience, practice skills acquired in course work, and demonstrate competency in leadership skills.

Prerequisites: ESES 6355 or EDES 6356.

Special approval required.

EDES 6358 Research and Trends in Reading Education (3 semester hours)

In this course, candidates will engage in a critical analysis of literacy research that examines current models of the reading process and their influence on the curriculum, as well as instructional and assessment issues in reading language arts. Emphasis will be placed on the understanding of how students from a variety of socio-cultural and linguistic backgrounds learn to read.

Prerequisite: EDES 6355 or EDES 6356.

Special approval required.

EDES 6359 Field Experience - The Reading Professional (3 semester hours)

The purpose of the fieldwork component for the Reading Specialist Credential is two-fold. First, it provides experience in the teaching of reading in grades P-12. Secondly, it provides opportunities for candidates to experience and participate in the variety of duties associated with a leadership position in a school and/or school district.

Prerequisites: EDES 6357 and EDES 6358.

Special approval required.

EDES 6441 Universally Designed Curriculum and Instruction and Assistive Technology (1 semester hour)

This course will prepare educators to design curriculum and instruction to meet the varying abilities of all students. The principles of Universal Design for Learning (UDL) as well as the components of Assistive Technology (AT) will be the content of the course. Candidates will be able to design lessons incorporating the UDL principles and the appropriate use of AT to maximize the learning for all students. Content-specific clinical practice is a required component of this course.

Admission to Catholic Inclusive Education Certificate program required.

EDES 6442 Socio-emotional Learning and Positive Behavior Support (3 semester hours)

Candidates will learn the principles of socio-emotional learning as they relate to student success in school and in daily living. Candidates will learn how to implement strategies of positive behavior support in order to promote self-esteem and self-advocacy and maximize instructional time. Content-specific clinical practice is a required component of this course.

Prerequisite: EDES 6441.

Admission to Catholic Inclusive Education Certificate program required.

EDES 6443 Assessment and Instruction for Students with Varying Abilities (3 semester hours)

Candidates will be prepared to assess students with a range of abilities in order to plan appropriate instruction for the students. Candidates will know how to implement evidence-based informal and formal assessment strategies in order to monitor student progress utilizing tiered levels of support based on laws and policies for Catholic schools. Content-specific clinical practice is a required component of this course.

Prerequisite: EDES 6441.

Admission to Catholic Inclusive Education Certificate program required.

EDES 6444 Practicum in Catholic Inclusive Education (2 semester hours)

Candidates will participate in a digitally supervised practicum in order to develop the expertise required for candidates to demonstrate the knowledge and skills required for Catholic inclusive educators following laws and policies related to Catholic schools.

Prerequisites: EDES 6441, EDES 6442, EDES 6443, EDLA 6430, and EDUR 6606.

Credit/No Credit only.

EDES 6445 Policies and Practices for Students with Varying Abilities (3 semester hours)

Survey of current issues and trends in the education of students with varying abilities, e.g., theoretical instructional systems, use of research findings in program implementation, with an emphasis on the history and critical analysis of inclusive education in Catholic, private, and public schools, including organizational models.

Completion of Catholic Inclusive Education Certificate required.

Catholic Inclusion M.A. students only.

EDES 6446 Capstone Project (3 semester hours)

This is the capstone course in the Catholic Inclusive Education M.A. program. Students will be expected to complete a research project focusing on Catholic inclusion.

Prerequisites: EDES 6441, EDES 6442, EDES 6443, EDES 6444, EDES 6445, EDLA 6105, EDLA 6430, EDLA 6431, EDUR 6100, and EDUR 6606.

Catholic Inclusive Education M.A. students only with a B (3.0) average in program coursework required.

Credit/No Credit only.

EDES 6608 Research Methods in Special Education (3 semester hours)

This course will provide candidates with knowledge and skills in the interpretation and application of evidence-based practices and research methodology in special education. Topics include methods for conducting survey research, experimental and quasi-experimental research, and qualitative research. Emphasizes analyses of specific issues in special education.

Special Education Program only.

EDES 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities (3 semester hours)

This course will examine advanced evidence-based strategies for accommodating and adapting instruction for exceptional learners with high incidence disabilities who may be culturally and/or linguistically diverse.

Special Education Program only.

EDES 6610 Special Topics in Special Education (3 semester hours)

This course will explore current issues related to characteristics, educational methods, and curricula, and questions, problems, concerns, and movements connected to the education of children and youth with learning disabilities, emotional/behavioral disorders, and autism spectrum disorders.

Special Education Program only.

EDES 6611 Master's Professional Project (3 semester hours)

This course supports an applied research project resulting in a paper that involves original collection or treatment of data and/or results. The Professional Project involves original research and exemplifies a contribution to scholarship. The final Professional Project is a paper of scholarly quality and should address a current area of inquiry.

Special Education Program only.

EDES 6855 Pract Teach Eng as Second Lang (2 semester hours)

This course is designed to enhance the field experience of TESL candidates through reflective discussions that evolve around events and field experiences in the context of second language acquisition, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher.

Prerequisites: EDLA 6105; EDES 5003, 5250, 5321, 5323, 5325, 6100, 6321, 6322, 6340.

Acceptance into TESL program required.

Credit/No Credit.

EDES 6900 Educational Studies Capstone Project (3 semester hours)

In this course candidates will integrate his or her individualized program of study into a problem of practice paper that identifies and describes a real-world issue or problem in education. It will require the integration of literature, course material, learning from previous courses as well as life experience and will utilize that information to complete an evidence-based solution to a real-world problem of practice. The final papers will be presented to a panel of faculty and students. Each cohort of candidates taking the capstone course will meet regularly to share the problems and solutions each student is examining in their problem of practice paper; discuss progress, challenges, and questions; and exchange feedback and ideas across a range of issues in education.

EDES 6995 Comprehensive Examination (0 semester hours)

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be written and/or oral examination. Candidates should register for the specific section required for their program.

Credit/No Credit.

Special approval required.

Fee required.

EDES 6998 Special Studies (0-3 semester hours)**EDES 6999 Independent Studies (0-3 semester hours)****EDES 8000 Health Education (1 semester hour)**

This course will introduce health concepts, skills, and behaviors important for today's students to make informed choices. Candidates will be able to gather, interpret, evaluate, and use health information and topics in their future activities as teachers. The course consists of four modules: 1) overview of the California health framework and consumer and community health resources; 2) personal health with a focus on nutrition and tobacco, drugs, and alcohol use; 3) health choices that impact communicable and chronic diseases; and 4) the role of environmental health with a focus on injury prevention and safety.

Credit/No Credit only.

Fee required.

EDLA 489 Individual Leadership Seminar (1 semester hour)

This course develops student leaders' understanding of the basic concepts of personal leadership development. Grounded on the Social Change Model of Leadership Development, participants will explore the individual values of leadership; consciousness of self, congruence and commitment. The class integrates readings, written reflection, in-class exercises, and an individual project.

EDLA 490 Group Leadership Seminar (1 semester hour)

This course develops student leaders' understanding of the basic concepts of group leadership development. Grounded on the Social Change Model of Leadership Development, participants will explore the group values of leadership; collaboration, common purpose and controversy with civility. The class integrates readings, written reflection, in-class exercises, and a group project.

EDLA 491 Community Leadership Seminar (1 semester hour)

This course develops student leaders' understanding of the basic concepts of leadership at the community/society level. Grounded on the Social Change Model of Leadership Development, participants will explore the community values of leadership; active citizenship and positive social change. Participants will apply the theoretical framework to analyze issues facing society and leadership development. This class integrates readings, written reflection, in-class activities, and a group project.

EDLA 498 Special Studies (1-3 semester hours)**EDLA 499 Independent Studies (1-3 semester hours)**

EDLA 6101 Fndtns of Charter Schl Ldrshp: Vision of Learning for Diverse Students, Families, Staff, & Community (3 semester hours)

This course focuses on educators as leaders and change facilitators. Leadership theory, effective communication, effective group facilitation, community relations, will be analyzed through the specific lens of a charter school leader. Methods to articulate a vision consistent with well-developed educational philosophy will be explored. Candidates will participate in learning experiences designed to facilitate the application of theoretical concepts in practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship. Candidates will develop a concept for a new charter school and complete Element I of a standard charter petition that includes Mission and Vision of the school, educational program, learning goals and how those goals inspire and enable self-motivated, competent life-long learners.

Certificate in Charter School Leadership candidates only.

EDLA 6102 Charter School Instructional Leadership: Student Learning & Professional Growth for Diverse Students (3 semester hours)

This course assists candidates to understand the role that learning, leadership, leading for learning, and learning leaders play in the practice of being a reflective practitioner. Candidates will learn how to lead learning both directly and indirectly in their school or organization while addressing the specific challenges and needs of a charter school. This class provides candidates with a variety of opportunities to consider teaching the challenge of driving instruction through curriculum and professional teaching standards, observations, evaluations and interventions, accountability systems, professional development and data-driven decision making. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship. Candidates will complete crucial elements of their charter petition started in EDLA 6101 with emphasis on the instructional program and curriculum, instructional framework, meeting the needs of numerous sub-groups of students, and teaching methodologies and ongoing professional development (Elements 1, 2, and 3).

Prerequisite: EDLA 6101.

Certificate in Charter School Leadership candidates only.

EDLA 6103 Specialized Charter School Leadership Preparation with Petition Writing Lab (4 semester hours)

This course will provide an overview of business aspects and management needs for running effective charter schools. Course will emphasize the unique aspects of charters as public schools that possess a substantial amount of autonomy in exchange for high levels of public accountability. Candidates will learn how effective practices in budgeting and finance, operations, human resource development, facilities management, governance, and fundraising contribute to high levels of student achievement in charter schools. Additionally, candidates will participate in a writing lab to complete the charter school petition.

Prerequisites: EDLA 6101 and EDLA 6102.

Certificate in Charter School Leadership candidates only.

EDLA 6105 Assessment and Research Methodology (3 semester hours)

Essential descriptive statistics; basic concepts of psychological and educational assessment. Overview of individual and group tests and inventories; test construction and evaluation; alternative assessment; and comprehensive testing programs. Preparation in designing and implementing a research study and competence in reviewing and using the professional literature.

EDLA 6200 Foundations of Leadership (3 semester hours)

This course lays the foundation for school leadership and introduces the fundamental skills related to problem solving and communication. This course requires learners to reflect on leadership skills and dispositions in the context of leadership theories and problems of practice. Critical pedagogy and social justice are the emphasis.

EDLA 6201 Educational Leader as Researcher (3 semester hours)

This course prepares candidates to lead school systems using quantitative and qualitative methods of inquiry with a focus on student growth and achievement. Applying improvement science principles, the student will apply research skills towards addressing a problem of practice.

EDLA 6202 Curriculum, Instruction, and Assessment (3 semester hours)

This course explores the historical and current educational policies and practices with regard to curriculum design, curriculum standards, accountability and student assessment systems.

EDLA 6203 School Finance and Human Resources (3 semester hours)

Candidates will study the concepts and current practices in the management of business functions in schools. Course will emphasize practical local, state, and federal policy issues related to budgeting and finance, operations, and human resource development.

EDLA 6204 Innovation, Entrepreneurial Leadership and Design Thinking (3 semester hours)

Candidates study how to lead organizations with a spirit and application of innovation and entrepreneurship. This course is designed to introduce students to entrepreneurship as an effective growth mindset for leader in any aspect of education.

EDLA 6205 Diversity, Equity, and Inclusion (3 semester hours)

This course is focused on preparing candidates to lead a diverse, equitable, and inclusive organizational culture, culturally responsive pedagogy, cultural and ethnic diversity, equity, and access to the core curriculum. Candidates will learn key analytical constructs (such as race, ethnicity, gender, ability, sexual orientation, SES) and how their individual and combined efforts affect impact and can be drawn upon to inform instruction, assessment, and leadership. Candidates will explore, develop and critique useful strategies for assertively addressing educational issues related to diverse populations that lead to culturally-responsiveness in our curricular choices, pedagogical practices, policies, academic pathways, programming, critical pedagogy, and critical literacy.

EDLA 6206 Cura Personalis: Fostering a Community of Care (3 semester hours)

This course focuses candidate learning on the Jesuit spiritual principal of Cura Personalis (care for the whole person) as it applies to equitable education environments. Candidate learning will focus on the tenets of social-emotional learning as it pertains to teaching and learning. Candidates will articulate the importance of overall wellness for children and adults in today's educational landscape within their context of leadership. This course focuses on building adult skills and beliefs in the following areas: SEL and trauma-informed leadership; fostering of positive, student-focused organizational culture, climate, a; and establishing routines and structures that guide assessment, instruction, and student support.

EDLA 6207 Governance, Law, and Policy (3 semester hours)

This course requires candidates to examine the laws and policies and accountability structures that govern the K-12 and higher education systems for the educational leader. The course examines the legal framework for public and private education and the relationship between law and policy in K-12 education from the perspectives of educational leaders who are committed to advancing social justice.

EDLA 6208 Supervision, Coaching and a Culture of Professional Learning (3 semester hours)

Candidates study how to lead organizations with a strategic and balanced approach to Supervision, Coaching and Professional Learning. Candidates will learn about local and national standards for the teaching profession and current systems for supervising and managing faculty and staff.

EDLA 6209 Community, Family and Stakeholder Engagement (3 semester hours)

Candidates study how to engage the school stakeholders in meaningful collaborative decision-making. Learning about and developing multiple opportunities of collaboration with the community of a school to strengthen the school's ability to achieve through a culturally relevant approach will be studied.

EDLA 6420 An Invitation to Lead (1 semester hour)

This course explores foundational leadership theory and Catholic Church documents to support candidates' call to leadership. Students examine their vision for education and identify their individual attributes as a leader. This course provides skill building in contemplative practice and critical reflection as a school leader. Certificate candidates establish rapport and community among LMU faculty and their Leadership cohort.

EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Comp (3 semester hours)

This course focuses on educators as leaders and change facilitators, Governmental, political, financial, legal, and historical perspectives of education in the United States will be studied. Leadership theory, effective communication, effective group facilitation, community relations, will be developed educational philosophy will be explored. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

ISLA only.

Grade of B- or higher required.

EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity (3 semester hours)

This course provides candidates with a variety of opportunities to examine their own biases related to student diversity, explore ways in which to uncover the biases of others within the school community, and guide all stakeholders through collaborative dialog about important issues related to their own diverse school community. Administration candidates will develop a repertoire of strategies used to guide all stakeholders in defining standards that promote a culture of high expectations for all students. The course will challenge candidates to design and facilitate professional development opportunities for both parents and teachers. This course specifically addresses access, equity, and educational opportunity issues as they relate to the schooling process for historically underserved and disenfranchised students. The major themes covered in the course are: the role of schooling in a democratic society, socio-cultural perspectives of the schooling process, biculturalism and critical pedagogy, and institutional agents and supportive schools.

ISLA only.

Grade of B- or higher required.

EDLA 6423 Student Learning & Professional Growth for Diverse Students, Families, Staff, & Community & Residenc (3 semester hours)

This course assists candidates to understand the role that learning, leadership, leading for learning, and learning leaders play in the practice of being a reflective practitioner. Candidates will learn how to lead learning both directly and indirectly in their organization. This class provides candidates with a variety of opportunities to consider teaching the challenge of driving instruction through curriculum and professional teaching standards, observations, evaluations and interventions, accountability systems, professional development and data-driven decision making. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

ISLA only.

Grade of B- or higher required.

EDLA 6424 Organizational Management for Student Learning (3 semester hours)

A survey of strategies for creating a school culture in which children with disabilities are included, based on a variety of frames, including political, economic, and legal, to serve students, families, staff, and community. Candidates will participate in residency/fieldwork experience designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, & Community & Residency/Fieldwork (3 semester hours)

Administrative candidates study how to plan, organize, implement, manage, facilitate, and evaluate the daily operations of schools. This management approach stresses systems models, needs assessment, management plans, administering contracts, technology use, management information systems, decision making processes, problem solving, decentralization, and accountability in a diverse cultural setting. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

ISLA only.

Grade of B- or higher required.

EDLA 6426 Instructional Technology for School Leaders (2 semester hours)

This graduate-level course is intended to provide candidates with the core foundational skills to lead a school with appropriate and effective instructional and administrative technologies. The dynamic nature of technology development and innovation requires strategies to ensure service populations are informed and skilled. The course will examine the theoretical educational models and how they impact instructional technology as well as technology research and decision making, planning for the future, classroom integration, assessment and analytics, professional development, communication, administrative technology, leadership, and school-wide technology adoption.

ISLA only.

Grade of B- or higher required.

EDLA 6427 Advocacy from a Legal Perspective (3 semester hours)

This hands-on leadership course examines the school leaders, as advocate, as his/her comprehensive duty to ensure school/district compliance with CA Education Code and local, state, and federal mandates so to make certain success for ALL students. Important legal and ethical issues will be explored via a case study approach; enhancing the candidate's analytical and problem-solving skills. The course will represent a microcosm of the opportunities, challenges and issues which school leaders encounter. Additional focus will be placed on compliance with special education and disability rights law, with an emphasis on cultural competency, English language learners, and non-traditional learning environments, i.e., charter schools. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

EDLA 6428 Business of Education (3 semester hours)

This course focuses on providing education leaders with knowledge of concepts and current practices in the management of business functions in schools. Course will emphasize practical issues related to budgeting and finance, operations, and human resource development. Candidates will learn to filter business management decisions and practices through the lens of learning and achieving equity for students. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

EDLA 6429 Specializing in Charter Schools (3 semester hours)

This course will provide an overview of management for running effective charter schools. Course will emphasize the unique aspects of charters as public schools that possess a substantial amount of autonomy in exchange for high levels of public accountability. Candidates will learn how effective practices in budgeting and finance, operations, human resource development, facilities management, governance, and fundraising contribute to high levels of student achievement in charter schools.

EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education (3 semester hours)

This course provides novice and aspiring administrators with skills, knowledge, and disposition to serve as a spiritual leader in the Catholic school setting. The course focuses on the historical roots of Catholic education as it relates to the mission of the Church in a contemporary context. Students will examine the practices of Religious Education and Catholic identity that promote mature faith formation. Students will analyze the theological, philosophical, historical, and sociological aspects of American Catholic education, with a focus on policy implications for the contemporary context of the Catholic Church. Topics to be discussed include fostering a Christian climate in the school community, catechetical leadership, governance, law, and policy in Catholic education.

EDLA 6431 Organizational Leadership in Catholic Education (3 semester hours)

This course prepares novice and aspiring Catholic school administrators to understand the complexities of managing personnel, payroll, tuition, and private school finance, and understand the imperative nature of strategic planning, marketing, board development, and fundraising. Students will also explore the role of ethics in their administration of Catholic school finance. Candidates will investigate, evaluate, and plan the daily operation of Catholic schools in order to achieve organizational goals and lead to the safe, productive operation of schools. There is an emphasis on cultural and linguistic diversity, exceptionality, the successful development of English Language Learners, and the parent-school relationship.

EDLA 6432 Instructional Leadership in Catholic Education (3 semester hours)

This course provides the novice and aspiring administrator with the necessary knowledge and skills for curriculum development, instruction, and assessment in Catholic elementary and secondary schools. Candidates will articulate a vision for student learning consistent with a well-developed Catholic school philosophy and explore ways to lead individuals and groups toward the accomplishment of common goals and objectives in a collaborative environment. The course focuses on three essential questions: What is the purpose of academic excellence in a Catholic school? What are the cultural and organizational dispositions that foster an academically rigorous and doctrinally sound program of education? How does research and practice inform the structural elements that support a culture for learning?

EDLA 6433 Visions of Learning (3 semester hours)

This course focuses on Catholic educators as leaders and change facilitators. Emphasis will be on leading the faculty, students, and parents in a spiritual community of faith formed in the teachings of the Catholic Church and the traditions of Ignatian spirituality. Private school law and ethics, governmental intersections, political context, financial impact, legal dimensions of practice, and historical perspectives of all education in the United States will be studied. Leadership theory, effective communication, effective group facilitation, community relations, will be taught and analyzed. Methods to articulate a shared vision consistent with well-developed educational philosophy will be explored within the context of a professional learning community. There will be an emphasis on building intercultural competency, socio-economic and linguistic diversity, Catholic school inclusion, and the parent-school relationship. This course is aligned with the National Standards and Benchmarks for Effective Catholic Elementary and Secondary Schools for use in planning and assessment.

EDLA 6434 Student Learning and Professional Growth (3 semester hours)

This course assists new and aspiring Catholic school administrators in understanding the dynamic relationship between teaching, learning, assessment and leadership. Focus will be placed on individualization of student instruction, evaluation and assessment of instructional practices, skill in design and implementation of instructional sequences, curriculum standards-based instruction for all students, observations, evaluations and interventions, accountability systems, data-based decision making, and professional development. There will be an emphasis on building intercultural competency, socio-economic and linguistic diversity, Catholic school inclusion, and the parent-school relationship. This course is aligned with the National Standards and Benchmarks for Effective Catholic Elementary and Secondary Schools for use in planning and assessment.

EDLA 6435 Transforming Organizations (3 semester hours)

This course assists new and aspiring Catholic school administrators in developing skills in transformational leadership to design, plan, and implement strategic planning processes to support and sustain educational achievement. The implementation of a professional learning community in the Catholic school context will emphasize ongoing and continuous improvement as a cultural expression of ongoing and continuous planning strategies to benefit student learning. Strategic planning for Catholic schools brings all aspects of the educational enterprise together and includes all stakeholders as relevant to all functional areas: including curriculum, human resources, facilities, technology design for education systems. There will be an emphasis on building intercultural competency, socio-economic and linguistic diversity, Catholic school inclusion, and the parent-school relationship. This course is aligned with the National Standards and Benchmarks for Effective Catholic Elementary and Secondary Schools for use in planning and assessment.

EDLA 6441 Fieldwork/CalAPA Cycle 1 (0 semester hours)

During semester 1, the associated Fieldwork course is in support of the candidate's understanding of being a leader and change facilitator. In conjunction with the Unit One Project and in support of CalAPA Leadership Cycle 1: Analyzing Data to Inform School Improvement and Promote Equity, the candidate will engage in a series of activities in support of CAPE mastery and Cycle 1 completion. A student may repeat this course two (2) times after the initial course attempt.

EDLA 6442 Fieldwork/CalAPA Cycle 2 (0 semester hours)

During semester 2, the associated Fieldwork course supports Candidates in applying various leadership theories and/or approaches to everyday situations of practice in the context of working with adult learners; such as staff, faculty, parents, and other school community stakeholders. Candidates will examine and identify the processes, policies, structures and practices that support and sustain a positive and inclusive school culture that emphasizes high expectations for ALL. In conjunction with the Unit Two Project and in support of CalAPA Leadership Cycle 2: Facilitating Communities of Practice support, the candidate will engage in a series of activities in support of CAPE mastery and Cycle 2 completion. A student may repeat this course two (2) times after the initial course attempt.

EDLA 6443 Fieldwork/CalAPA Cycle 3 (0 semester hours)

During Semester 3, the associated fieldwork course supports candidates in experiences designed to facilitate the application of theoretical concepts in practical settings. There will be a strong emphasis on cultural and linguistic diversity as candidates develop high quality partnerships with parents, families, community members and relative agencies and engage them in shared decisions. In conjunction with the Unit Three Project and in support of CalAPA Leadership Cycle 3: Supporting Teacher Growth support, the candidate will engage in a series of activities in support of CAPE mastery and Cycle 3 completion. A student may repeat this course two (2) times after the initial course attempt.

EDLA 6710 Leadership in Higher Education I (3 semester hours)

This course serves as an introduction to the Higher Education Program as well as higher education leadership, and the field of higher education. The course focuses on students' call to leadership, their vision of higher education, and their attributes as a leader. Students will be introduced to the habit of reflection and begin to learn the skills of becoming reflective practitioners who will serve as transformative leaders.

Admission into the Higher Education Administration Program required.

EDLA 6711 Foundations of Higher Education (3 semester hours)

This course provides an overview of the history of higher education and its relationship to American society. There is interplay between academic institutions and the political and institutional structures at all levels. These relationships are analyzed in both historical and critical frameworks. Various elements of academia will be considered such as academic freedom, student life, equity and accessibility, etc. Students will gain an understanding of the purposes and missions of American higher education, as well as the implications of key historical issues and landmark events.

EDLA 6712 Organization and Administration in Higher Education (3 semester hours)

Students will be introduced to the organizational structures of higher education institutions and the major functional areas within these institutions. This course will provide students with practical and theoretical understandings of educational organizations to examine how they are organized and governed, while also studying features of various elements in structures and processes that are essential to the functioning of a university such as culture, authority, technology, power, environment, decision loci, and strategic planning.

EDLA 6714 Leadership in Catholic Higher Education (2 semester hours)

This course will provide students with an understanding of the role of faith based colleges and universities in American higher education, along with the various philosophical tenets and values that guide their educational mission. Students will also examine how these tenets and values impact the practice of leadership at Catholic and other faith based institutions.

EDLA 6715 Community College Leadership (2 semester hours)

This course will provide an overview of the historical development and role of community colleges in American higher education. Students will gain an understanding of the distinctive leadership issues in community colleges while also exploring the student experience at community colleges.

EDLA 6717 Theory to Critical Praxis in Higher Education (3 semester hours)

This course introduces theoretical and conceptual frameworks that inform research and praxis in higher education. This course provides students with foundational knowledge about various theories, such as critical, organizational, social, and developmental theories. Students will critically examine theoretical approaches in higher education and learn how to apply them in research and praxis using a critical and social justice lens.

EDLA 6720 Fieldwork in Higher Education (3 semester hours)

This experiential course incorporates the theory to practice model by providing students the opportunity to integrate course material into a higher education setting. Students will engage in a fieldwork experience in a functional area of a post-secondary institution and receive supervision by an on-site supervisor. Throughout the semester students will participate in a seminar to reflect and critically assess their fieldwork experiences.

Higher Education majors only.
Credit/No Credit only.

EDLA 6721 Higher Education Law and Public Policy (3 semester hours)

This course assists students in becoming knowledgeable about fundamentals of law that directly and indirectly influences the teaching, learning, and administrative environments of higher education institutions in both the public and private sectors. The policy issues which surround the application of law in college and university settings will also be considered.

Higher Education majors only.

EDLA 6722 Resource Management in Higher Education (3 semester hours)

This course will introduce students to issues, practices, and policies involved with the management of resources within institutions of higher education. The course will cover areas such as strategic planning, budgeting and program planning, implementation, and evaluation. Students will also gain the knowledge and skills needed for hiring, supervising, and evaluating employees.

Higher Education majors only.

EDLA 6723 Leadership in Higher Education II (3 semester hours)

This course provides students the opportunity to synthesize their academic coursework and field experience through critical reflection and analysis, while also instilling and providing them skills to serve as reflective practitioners. This course will also provide students with job search and transition skills and the opportunity to refine their final comprehensive project.

Corequisites: EDLA 6722 and EDLA 6995.

Higher Education majors only.

EDLA 6724 Educational Leader as Researcher (3 semester hours)

This course prepares candidates to lead school systems using quantitative and qualitative methods of inquiry with a focus on student growth and achievement. Applying improvement science principles, the student will apply research skills towards addressing a problem of practice.

EDLA 6840 Spirituality and Leadership in Catholic School Teaching (3 semester hours)

This course will engage students to view their role as spiritual leaders who participate in creating a culture of renewal in U.S. Catholic elementary and high schools. Throughout the course students will deepen their understanding of their vocation as Catholic school teachers, while critically reflecting and analyzing the spiritual and faith practices of their respective schools. Students will be introduced to basic foundations of Catholicism, new paradigms for religious education, and contemporary issues in the Church. They will explore the spirituality of K-12 students, ecclesiological issues flowing from Vatican II, evangelization, and social justice issues in Catholic education.

PLACE only.

EDLA 6950 Advanced Research Methods (3 semester hours)

An advanced research methods course focusing on: the nature of educational research, statistical methods, qualitative methods, and survey design.

Prerequisite: EDLA 6105.

Special approval required.

EDLA 6951 Advanced Research Design (1 semester hour)

An advanced research design institute intended for students accepted into the master's thesis option. The course will focus on: framing the research question, choosing appropriate methodology, reviewing the literature, reliability and validity, and writing the master's thesis proposal. Acceptance in Master's Thesis Option required.

Prerequisite: EDLA 6950.

EDLA 6955 Master's Thesis I (1 semester hour)**EDLA 6956 Master's Thesis II (1 semester hour)****EDLA 6957 Master's Thesis III (1 semester hour)****EDLA 6971 Fld Exper Administ I (2 semester hours)****EDLA 6973 Fld Exp Bilit, Ldrshp, Admin I (2 semester hours)****EDLA 6981 Field Exp Administ II (2 semester hours)****EDLA 6983 Fld Exp Bilit/Ldrshp/Admin II (2 semester hours)****EDLA 6995 Comprehensive Examination (0 semester hours)**

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program.

Credit/No Credit only.

Special approval required.

Fee required.

EDLA 6998 Special Studies (0-3 semester hours)**EDLA 6999 Independent Studies (1-3 semester hours)****EDLA 7001 Leadership for Social Justice in Education (3 semester hours)**

This course examines various approaches to conceptualizing, interpreting, and making operational social justice. The course will review the historical development of the concept of social justice in an interdisciplinary manner. Particular attention will be given to: critically competing ethical and religious theories of justice; sociological factors of schools as institutions of injustice and cultures that can promote an ethos to further justice; the relationships of the ethical theory of justice of educational institutions; and the examination of pedagogy for social justice. The goal of the course is to bring together ethics, sociology of education, and concrete pedagogy.

EDLA 7002 Moral and Ethical Leadership (3 semester hours)

This course examines ethics in education, moral development theory, and leadership theory. Emphasis will be placed on the role of the individual in the development of principles and practices of just and caring leadership. Critical inquiry into the responsibility of leaders for the protection and promotion of democratic schooling and global citizenship is highlighted.

EDLA 7004 Organizational Theory and Change (3 semester hours)

This course will focus on organizational theory and culture, systemic change, and supervision of programs and personnel. The role of the leader as an agent for transformative change, an informed implementer of technology to reduce the digital divide, and facilitator for community collaboration is examined.

EDLA 7005 Educational Change and Innovation (3 semester hours)

This course provides an in-depth examination of educational policy making processes, through the lens of education reform movements and the political nature of these issues, utilizing a historical and ideological approach. The course will focus on the history and analysis of national, state, and local policies, processes, standards, and reform movements applied to general and special education. An additional focus of the course will be the analysis of the equity and adequacy issues governing school finance.

EDLA 7006 Education Policy and Praxis (3 semester hours)

This seminar explores the historical, philosophical, policy and systemic issues in local, national and international educational contexts. The seminar includes critical analyses of power, equity and agency in policy implementation in P-20 settings.

EDLA 7007 Using Research for Educational Improvement and Equity (3 semester hours)

This course will provide students with strategies for educational improvement through the use of specific research and analytic processes. The course will introduce, analyze, and compare relevant concepts, practices, and methods associated with several key improvement processes (e.g., continuous improvement, improvement science, design-based research and implementation, research and evaluation use principles, and research-practice partnerships). Students will apply what they learn to the design of a research-driven improvement process to address an equity issue in their organization.

EDLA 7020 Situated Inquiry in Education (3 semester hours)

This introductory course focuses on defining and developing problems of practice in education. The course will examine advanced strategies to search, organize, reference, critically analyze, and write about academic resources. Additionally, the course introduces foundational educational theories and examines the fundamentals of research design.

EDLA 7021 Quantitative Research in Education (3 semester hours)

This advanced quantitative research course focuses on a variety of quantitative research designs and statistical methods for examining data from diverse educational settings.

EDLA 7022 Qualitative Research in Education (3 semester hours)

This advanced research course focuses on a variety of qualitative research designs and methods for data collection and analysis of data from diverse educational settings.

EDLA 7023 Doctoral Colloquia (2 semester hours)

The doctoral colloquia are designed to support doctoral candidates in completing research, analyzing data, further developing leadership skills, and investigating career opportunities. Special topics will address these issues.

Credit/No Credit only.

EDLA 7040 Context and Current Topics in Public Education (3 semester hours)

This seminar explores the historical, philosophical, and structural issues in public education. The seminar will include a discussion and analysis of the current issues defining and challenging public P-12 education.

EDLA 7041 Transformative Leadership in Diverse Learning Communities (3 semester hours)

EDLA 7042 Management of Fiscal/Human Capital (3 semester hours)

The recruitment, management, and assessment of fiscal and human resources will be explored through the lens of social justice. This course includes the following: national, state, and local funding and fiscal management; human resource recruitment, retention, and evaluation; equity analysis of resources for diversity; strategies for building effective learning communities; and an analysis of the equity and adequacy issues governing school finance.

EDLA 7043 Legal and Policy Issues in Education (3 semester hours)

This course examines the legal framework for public and private education and the relationship between law and policy from the perspective of school leaders who are committed to advancing social justice. Topics covered include legal literacy, tort liability, church/state relations, instructional issues, student expression, student discipline, rights of children with disabilities and English Learners, desegregation, employment discrimination, collective bargaining, termination of employment, and alternatives to increase educational choice.

EDLA 7045 Transformational Leadership for Student Achievement (3 semester hours)

This course examines components of reflective leadership and the relationship to educational achievement for diverse populations. This course will emphasize a sociocultural perspective which will guide the exploration of leadership related to accountability, instruction and assessment. The theory and practice of transformational leadership informed by a social justice perspective will be foundational components.

EDLA 7049 Research Seminar (2 semester hours)

This course focuses on the practitioner researcher's formulation of research questions, preparation of the design and methodology to be used in the researcher's study of education. The outcome of this course will be the completion of the candidate's dissertation proposal.

Credit/No Credit only.

EDLA 7060 Context and Current Topics in Private Education (3 semester hours)

This seminar explores the historical, philosophical, structural, and theological issues in Catholic, private, and charter schools, as well as non-public schools serving students with exceptional needs. The seminar will include a discussion and analysis of the current issues defining and challenging Private K-12 education and the influence of Catholic social teaching in these topics.

EDLA 7062 Managing Financial Resources in Private Education (3 semester hours)**EDLA 7063 Law & Policy in Private Educ (3 semester hours)****EDLA 7069 Research Seminar: Catholic/Private/Charter Education (2 semester hours)****EDLA 7940 Preliminary Review Design (1 semester hour)**

This course is designed to assist candidates as they engage in thoughtful consideration of an area in educational leadership for social justice that is of interest to them. The culmination of this course is the Preliminary Review. Students must successfully complete the Preliminary Review process in order to continue in the doctoral program.

Credit/No Credit only.

EDLA 7950 Dissertation Proposal Design (2 semester hours)

A seminar designed to assist candidates in the development and design of the dissertation proposal.

Prior to beginning the research phase of the dissertation, candidates will be required to submit a proposal to the Institutional Review Board (IRB) for approval if their study involves human subject data.

Credit/No Credit only.

EDLA 7951 Dissertation Seminar I (2 semester hours)

Seminar designed to support doctoral candidates in development research design, conducting literature research, and collecting data.

Credit/No Credit only.

EDLA 7952 Dissertation Seminar II (2 semester hours)

Seminar designed to support doctoral candidates in completing research and analyzing data.

Credit/No Credit only.

EDLA 7953 Doctoral Seminar I (2 semester hours)

Candidates will enroll in 2 semester hours each semester leading to completion and acceptance of dissertation.

Credit/No Credit only.

EDLA 7954 Doctoral Seminar II (2 semester hours)

Candidates will enroll in 2 semester hours each semester until completion and acceptance of dissertation.

Credit/No Credit only.

EDLA 7955 Doctoral Seminar III (2 semester hours)

Candidates will enroll in 2 semester hours each semester until completion and acceptance of dissertation.

Credit/No Credit only.

EDLA 7990 Advancement to Candidacy (0 semester hours)**EDLA 7998 Special Studies (1-3 semester hours)****EDLA 7999 Independent Studies (1-3 semester hours)****EDLC 400 Sociocultural Analysis Ed (3 semester hours)**

A study of the sociological and anthropological analysis of contemporary education with emphases on historical and cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, equity, access to the core curriculum, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today so that they are prepared to work with all learners. This course is designed for undergraduates in the traditional and/or blended teacher preparation program.

Sophomore or higher standing required.

EDLC 414 Theory Secnd Lang Acquis (3 semester hours)

Course content includes theoretical perspectives in first and second language learning, language teaching methodologies, assessment, identification, and program placement for Limited English Proficient students. The course provides an introduction to instructional strategies including English Language Development (ELD), Specially Designed Academic Instruction in English (SDAIE), and cooperative learning. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education; federal, state, and local legislation; bilingual education models; and the role of parents and paraprofessionals in English language development. Fieldwork in a setting with English language learners is a required component of this class.

Sophomore or higher standing required.

EDLC 415 Politics of Education (3 semester hours)

An overview of the historical and contemporary organization of schools, including federal, state, and local education and language policies. The philosophical and decision-making structures within schools will be examined from various perspectives. Of particular emphasis will be the impact of these on linguistically and culturally diverse populations.

Prerequisite: EDLC 414.

EDLC 416 Methodology for Primary Language Instruction in a Bilingual Setting (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content area instruction.

Prerequisite: EDLC 415.

Fluency and literacy in Spanish is required.

Special approval required.

EDLC 418 Bilingualism & Biliteracy (3 semester hours)**EDLC 420 Chicano-Latino Culture: An Interdisciplinary Perspective (3 semester hours)**

The presentation of a cultural analysis of the diversity within Chicano/Latino groups. Historical, political, economic, and social issues will be addressed, including the expression of culture in areas such as language, literature, and religion.

Special approval required.

EDLC 425 Methods in English Lanaguage Development and Specially Designed Academic Instruction in English (3 semester hours)

The goal of this course is to provide students with the opportunity to acquire knowledge, skills, and ability to deliver comprehensive instruction to English learners. Students will learn how to implement instructional programs that facilitate English language acquisition and development, including receptive and productive language skills, and that logically progress to the grade level reading/language arts program for English speakers. Students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and to develop lessons that promote students' access and achievement in relation to state-adopted academic content standards. Fieldwork observation is included as part of the class requirement.

Special approval required.

EDLC 498 Special Studies (1-3 semester hours)**EDLC 499 Independent Studies (1-3 semester hours)****EDLC 5000 Cultural Paradigms of Education (3 semester hours)**

A study of the sociological and anthropological analysis of contemporary education with emphases on cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today.

Fieldwork is required.

EDLC 5002 Survey of Second Language Acquisition Theories (2 semester hours)**EDLC 5003 Theories of Second Language Acquisition (3 semester hours)**

Historical, political, and social factors related to second language acquisition are addressed. Course content also includes theoretical perspectives in second language learning. Assessment, identification, and program placement for Limited English Proficient students are emphasized. This course provides an overview of education policies and laws related to English language learners.

Fieldwork is required.

EDLC 5200 Method in English Language Development & Specially Designed Acad Instruction in English - Elementary (3 semester hours)

This course explores and develops instructional models, strategies, approaches, and assessment for ESL and content based second language teaching in diverse cultural and linguistic settings in elementary education. Fieldwork is required.

Prerequisite: EDLC 414 or 5003.

EDLC 5250 Method in English Language Development & Specially Designed Acad Instruction in English - Secondary (3 semester hours)

This course explores and develops instructional models, strategies, approaches, and assessment for ESL and content based second language teaching in diverse cultural and linguistic settings in secondary education. Fieldwork is required.

Prerequisite: EDLC 414 or 5003.

EDLC 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups.

Special approval required.

EDLC 5321 Applied Linguistics (3 semester hours)**EDLC 5322 Intercultural Education (3 semester hours)****EDLC 5323 Bilingualism, Cognition, and Identity (3 semester hours)****EDLC 5324 Bilingualism & Biliteracy (3 semester hours)****EDLC 5325 Curriculum and Instructional Leadership in a Bilingual Setting (3 semester hours)****EDLC 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective (3 semester hours)**

This course presents a cultural analysis of the diversity within Chinese/American/American Chinese groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups.

Special approval required.

EDLC 5998 Special Studies (1-3 semester hours)**EDLC 5999 Independent Studies (1-3 semester hours)****EDLC 6000 Education & Politics (3 semester hours)****EDLC 6001 Teach Cult/Lang Div Stdnts (3 semester hours)****EDLC 6100 Anthropological Analysis of Cultural Diversity (3 semester hours)****EDLC 6320 Methodology for Primary Language Instruction in a Bilingual Setting (3 semester hours)**

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction.

Prerequisite: EDLC 5003.

Fluency and literacy in Spanish is required.

Special approval required.

EDLC 6321 Seminar in Second Language Literacy (3 semester hours)

This course explores the relationships between literacy and language diversity in the United States as well as on the international levels. Current research addressing pre-school through adult populations of second language learners will be analyzed.

Fieldwork is required.

EDLC 6322 Language Ideologies, Planning, and Policies (3 semester hours)

This course addresses the assumptions, power relations, and beliefs involved in language policies as they relate to education, work, and societal norms. Analysis of international, national, and local practices, socio-historical, and political development of multilingual school is emphasized.

EDLC 6323 Ethnolinguistics (3 semester hours)

Utilizing an anthropological-linguistic approach to the study of the interrelation between a language and culture, this course focuses particularly in the ways that ethnicity, group status, gender, and class impact the relationships between minority and majority groups.

EDLC 6324 Tech in Multilingual Settings (3 semester hours)

Offered as an elective, this course emphasizes the use of instructional technologies with multilingual populations. Of particular emphasis is the bridging of the Digital Divide, access and equity in technology with diverse populations, and uses of instructional technology within dual language contexts.

EDLC 6325 International Perspectives in Bilingual/Intercultural Education (3 semester hours)**EDLC 6326 Bilingual/Ldrshp/Intcltr Educ (3 semester hours)****EDLC 6330 Methodology for Chinese Language Instruction in Bilingual Settings (3 semester hours)**

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction.

Prerequisite: EDLC 5003.

Fluency and literacy in Mandarin Chinese is required.

Special permission required.

EDLC 6340 Educational Linguistics (3 semester hours)**EDLC 6955 Master's Thesis I (1 semester hour)**

This course is intended for students working on a master's thesis. The committee chair provides ongoing support for the master's thesis.

Prerequisite: EDLA 6950.

Credit/No Credit.

EDLC 6956 Master's Thesis II (1 semester hour)

A continuation of Master's Thesis I for students who have not completed their master's thesis.

Credit/No Credit only.

Special approval required.

EDLC 6957 Master's Thesis III (1 semester hour)

A continuation of Master's Thesis II for students who have not completed their master's thesis.

Credit/No Credit only.

Special approval required.

EDLC 6995 Comp Exam: (0 semester hours)**EDLC 6998 Special Studies (1-3 semester hours)****EDLC 6999 Independent Studies (1-3 semester hours)**

EDLP 1001 Strategies for Graduate/Professional School Admission I (1 semester hour)

The aim of the course is to equip students with skills and strategies for applying to graduate and professional degree programs. The course will introduce students to strategies, co-curricular options, and scholarly activities that can strengthen their candidacy and application profiles. ACE program only.

Credit/No Credit only.
Offered Fall semester.

EDLP 1002 Strategies for Graduate/Professional School Admission II (1 semester hour)

The aim of the course is to equip students with skills and strategies to strengthen their candidacy for admission to graduate and professional school. Students will complete written assignments and exercises that will strengthen their knowledge about the graduate application process and familiarize them with resources that can aid them in the process.

Prerequisite: EDLP 1001.
ACE program only.
Credit/No Credit only.
Offered Spring semester.

EDLP 1003 Strategies for Graduate/Professional School Admission III (1 semester hour)

The course is designed to help guide students through the graduate and professional school application process, including writing a personal statement, discussing potential funding sources, and how to obtain letters of recommendation.

Prerequisites: EDLP 1002.
ACE program only.
Credit/No Credit only.

EDLP 1004 Strategies for Graduate/Professional School Admission IV (1 semester hour)

The course is designed to help guide students through the graduate and professional school application process, including writing a personal statement, discussing potential funding sources, and how to obtain letters of recommendation.

ACE program only.
Credit/No Credit only.

EDLP 1044 Academic Skills for Student Athletes (1 semester hour)

This course covers academic skills for a successful university experience, including time management, library research processes, note taking, reading for meaning, avoiding plagiarism, and using MS Office applications. The course is tailored for student athletes.

Credit/No Credit only.

EDLP 1045 Academic Skills for Student Athletes II (1 semester hour)

This course is a senior seminar tailored for student athletes designed for career and life preparation.

Credit/No Credit only.

EDLP 1050 Learning about Learning (1 semester hour)

This course provides information on making a successful transition to college, including campus resources and study skills, designed to support students in the Nexus program.

Credit/No Credit only.

EDLP 1070 Orientation to Learning I (1 semester hour)

This course provides information on making a successful transition to college, including campus resources, study skills, academic and career planning.

Credit/No Credit only.
Offered Fall semester.

EDLP 1071 Orientation to Learning II (1 semester hour)

Continuation of EDLP 1070.

Credit/No Credit only.
Offered Spring semester.

EDLP 1081 Exploring Wellness I (1 semester hour)

Introduction to wellness, including physical, psychological, nutritional, financial, and environmental and the skills and campus resources that contribute to academic success and career preparation.

Credit/No Credit only.

EDLP 1998 Special Studies (1-4 semester hours)**EDLP 1999 Independent Studies (1-4 semester hours)**

Independent Studies

EDLP 2050 Strategy of Career Development (2 semester hours)

This course utilizes the popular models of career theory and traditional personality assessments to help students identify interests, skills, and values and describe how they relate to a career choice. The decision-making model is utilized to synthesize personal information and research is conducted on employment trends. By the end of the course, students will be familiarized with the job search process including resume writing, interviewing skills, and job search strategies.

Credit/No Credit only.

EDLP 2051 Career Development Internship (1 semester hour)

Engage in a mentoring/training type relationship with an employer in a career field of interest. Internships are established through the office of Career Development Services to aid in career decision-making, to make contacts with employers, and to evaluate employment opportunities firsthand.

This course may be repeated 3 times.
Credit/No Credit only.

EDLP 2091 Intercult Practicum I (1 semester hour)

This course will teach students advanced human relations skills and provide them the occasion for integrating intercultural theory and practice in an increasingly diverse society.

Credit/No Credit only.

EDLP 2092 Intercult Practicum II (2 semester hours)

This course will teach students advanced skills in cross-cultural conflict management, intercultural leadership, strategies for organizational change in multiethnic settings, institutionalizing social change, and preparing personal action plans.

Completion of EDLP 2091 and EDLP 2092 earns the Certificate for Intercultural Competence.

Prerequisite: EDLP 2091.

Credit/No Credit only.

EDLP 2998 Special Studies (1-4 semester hours)**EDLP 2999 Independent Studies (1-4 semester hours)****EDLP 3000 Internship (0 semester hours)**

This course provides a supervised internship either on or off campus.

Credit/No Credit only.

EDLP 3001 SURP Seminar (3 semester hours)

Students engage in hands-on research with a designated faculty mentor on their pre-approved Summer Undergraduate Research Program (SURP) project. The SURP program includes 20 hours of research per week, participation in SURP workshops, and other SURP activities as designated each summer.

This seminar is only for students participating in the Summer Undergraduate Research Program in Summer Session I.

EDLP 3051 Career Development Internship (1 semester hour)

Engage in a mentoring/training type relationship with an employer in a career field of interest. Internships are established through the office of Career Development Services to aid in career decision-making, to make contacts with employers, and to evaluate employment opportunities firsthand.

This course may be repeated 3 times.

Credit/No Credit only.

EDLP 3998 Special Studies (1-4 semester hours)**EDLP 3999 Independent Studies (1-4 semester hours)**

Independent Studies

EDLP 4998 Special Studies (1-4 semester hours)**EDLP 4999 Independent Studies (1-4 semester hours)**

Independent Studies

EDSP 427 Creating Effective Classrooms in Diverse Settings (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in managing environmental for diverse learners that are safe and effective and that facilitate positive self-esteem and self-advocacy. In addition, the candidate will be prepared to demonstrate knowledge of behavioral management strategies, varying communication styles that impact learning and laws, and regulations for promoting behavior that is positive and self-regulatory.

EDSP 436 Creating Collaborative Partnerships (3 semester hours)

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel. The candidate will learn how to work in partnership to be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

EDSP 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs (3 semester hours)

General survey of exceptionalities affecting normal child development. Causation, diagnosis, treatment, programs, and resources are included. Implications of recent legislation for the disabled will be emphasized.

EDSP 443 Informal Assessment & Individual Education Program Development for Students w/ Exceptional Needs (3 semester hours)

A survey of strategies for assessing and teaching FEP and LEP students in all areas of exceptionality.

EDSP 444 Observation and Participation in General and Special Education Programs (3 semester hours)

Direct contact experience observing and working with FEP and LEP students in all areas of exceptionality. A minimum of 100 clock hours must be spent with three exceptionalities.

Credit/No Credit only.

EDSP 445 Special Education: Advocacy and the Law (3 semester hours)

This course examines federal and California special education law with particular emphasis on the Individuals with Disabilities Education Improvement Act (IDEA 2004) and the Rehabilitation Act of 1973. The first half of the course will involve reading of material that will give a legal and practical background to the specifics of the law, its purpose, and how it is implemented by school districts. This background will serve as a foundation for the students to effectively advocate (with proper supervision) for their clients during the clinical portion of the class. The overall goal of the course is to give students insight into how to work with families and school personnel and how to ultimately avoid the pitfalls of non-compliance. The second half of the course will be a supervised clinical experience where students will handle a special education case. This will include: interviewing potential clients, analysis of facts, and advocacy at an IEP. Depending on the facts of the case, students may also file a state complaint and prepare a case for mediation and/or for due process hearing.

EDSP 452 Psychological and Educational Assessment (3 semester hours)

Basic concepts of psychological testing, measurement, and evaluation applicable to the rationale, construction, evaluation, use, and interpretation of tests, rating scales, etc.; essential statistics.

Seniors only.

Practice required.

EDSP 453 Introduction to the Study of Disability and Special Education (3 semester hours)

This course introduces students to the field of disability studies and special education. The difference between the two fields are carefully examined, discussed, and explored. The course introduces key components and theories underlying disability studies and foundational components of the special education system. The course explores disability through a historical, social, linguistic, cultural, economic, and political context. This course explores how disability is portrayed in society and reviews traditional stereotypes emerging from the disability rights movement. In regards to Special Education, this course will emphasize current laws and procedures regarding the appropriate education for children with disabilities and review major relevant issues affecting the field of special education including inclusion, advocacy, collaborating with diverse families and educational professionals, and transition processes.

EDSP 454 Major Issues and Foundations of Special Education (2 semester hours)

Candidates will receive an overview of the characteristics of diverse learners with high incidence disabilities with a view towards developing an understanding of these characteristics as they impact learning, behavior, and socialization. The course will also emphasize current laws and procedures regarding the appropriate education of these students and review major issues including Universal Design for Learning (UDL), inclusion, advocacy, assistive technology, Response to Intervention (RTI), early intervention, collaborating with diverse families and educational professionals and transition planning.

Prerequisite: EDSP 440 or 453.

EDSP 455 Development of IEPs for Students with Exceptional Needs (1 semester hour)

This course will provide essential information regarding the development of Individualized Education Programs (IEPs) for students with exceptional needs. Candidates will learn the general components of an IEP and how to develop student present level of performance (PLOP) and goals.

Prerequisite: EDSP 440 or 453.

EDSP 475 Teaching and Assessing Students with Mild/Moderate Disabilities (3 semester hours)

Principles and techniques for diagnosing learning and behavioral strengths and weaknesses in children and youth with specific learning disability, mental retardation, other health impairments, or serious emotional disturbance. Additional emphasis is placed on effective techniques and methods in working with culturally and linguistically diverse youth. Development of teaching strategies, goals, and objectives suitable for direct intervention, implementation of individual instructional programs, and evaluation of program approaches and effectiveness.

EDSP 476 Policies and Issues in Education for Diverse Learners with Disabilities (3 semester hours)

Survey of current issues and trends in the psychology and education of students with learning handicaps, e.g., theoretical instructional systems, use of research findings in program implementation, counseling, career guidance, and program evaluation with emphasis on history and practices of bilingual education, including organizational models and instructional strategies.

EDSP 492 Behavior and Classroom Management Techniques for Teachers (3 semester hours)

Explores current, alternative approaches to classroom discipline, management, and organization. Focuses on how teacher behavior, the learning task, and the classroom environment affect student behavior.

EDSP 498 Special Studies (3 semester hours)**EDSP 499 Independent Studies (1-3 semester hours)****EDSP 5002 Survey of Second Language Acquisition Theories (2 semester hours)**

Course content includes theoretical perspectives in first and second language learning, language teaching methodologies, assessment, identification, and program placement for Limited English Proficient students with and without disabilities. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education; federal, state, and local legislation; bilingual education models; and the role of parents and paraprofessionals in English language development.

EDSP 5300 Introduction to Teaching and Learning in General and Special Education (2 semester hours)

This course will provide initial instruction in the essential themes, concepts, and skills related to the duties of a special educator before the candidate assumes intern/teaching responsibilities.

Admission to program required.

EDSP 5301 Managing Learning Environments (2 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective for students.

Admission to program required.

EDSP 5303 Foundations in Child Welfare and Attendance (3 semester hours)

Candidates will understand the professional role (e.g. leadership and management responsibilities) of the CWA Counselor and develop the legal and professional knowledge and skills necessary to meet the Child Welfare and Attendance state standards. Students will also identify and think critically about their role in effective program management and implementation to address pupil's attendance and academic, psychological and social success. This course is designed to specifically address the CTC CWA Standards under the theme of Core Knowledge Base and Foundations.

EDSP 5304 School Attendance Improvement and Truancy Remediation: Prevention and Intervention (3 semester hours)

Candidates will gain the knowledge and skills to effectively collaborate with all school partners in order to support and increase pupil attendance, and gain superior knowledge in the culture and structure of the public-school system at both the school and district level to better serve in their role as a CWA student advocate. With a greater knowledge of the culture and structure of the public-school system, candidates will become familiar with the contributing factors to pupils who are not successful in school, including barriers to learning and attendance. Candidates will research and learn ways to intervene and improve school attendance, while providing pupils and their families with the appropriate level of support. This course is designed to specifically address the CTC CWA Standards under the theme of Professional Skills and Training.

EDSP 5305 CWA Supervision in Community Partnerships and Fieldwork Hours (3 semester hours)

This fieldwork course provides the Child Welfare and Attendance candidate with on-site supervised experience in the various roles and responsibilities covered in the Child Welfare and Attendance Authorization requirements. To meet competency for this course, a total of 150 hours in fieldwork for the add-on child welfare and attendance (CWA) authorization to the P.P.S. credential is required. Ninety hours (90) must be acquired in a school setting in direct contact with pupils. A minimum of thirty hours (30) must be acquired with an outside agency such as law enforcement, juvenile justice, child health and welfare, mental health, social services, child protective services, or a community based agency. The remaining thirty hours (30) may be acquired in a school setting, outside agency, or at the discretion of the university supervisor. Fieldwork hours must be completed within two semesters. This course is designed to specifically address the CTC CWA Standards under the theme of Field Experience.

Credit/No Credit only.

EDSP 5362 Counseling Theories and Techniques (3 semester hours)

A survey of major theoretical orientations to the practice of counseling. An overview of basic counseling skills with particular emphasis on communication skills applicable to the counseling relationship. Candidates are introduced to experiences that will give them a greater understanding of self and others.

EDSP 5382 Ethical and Legal Issues (3 semester hours)

This course examines ethics, laws, regulations, and best practices for pupil personnel counseling professionals. Critical issues relevant to child abuse and partner abuse will be addressed. Procedures for resolving ethical and legal dilemmas will be emphasized.

EDSP 5390 Lifespan Development (3 semester hours)

The study of major psychological theories and their application to the understanding of human behavior. Appraisal of human biological, psychological, and social lifespan development from infancy through death. Emphasis is placed on the impact of culture and diversity on lifespan development.

EDSP 5391 Foundations of Counseling (3 semester hours)

The objectives of this course are for master's students in counseling to gain core foundational knowledge of the counseling field and facilitate the development of a professional counselor identity. The core foundations include the history of counseling, multicultural issues, career and vocational counseling, counseling, process and outcome, ethics, prevention, health promotion, and social justice. In addition, a review of the practice of counseling and program specializations will be offered.

EDSP 5394 Helping Skills (3 semester hours)

The objectives of this course are for graduate students in counseling and education to 1) develop proficiency in beginning counseling skills, 2) prepare for counseling fieldwork experiences, and 3) begin to develop an understanding of the counselor's role in facilitating or inhibiting client change. Multicultural experiences are emphasized.

Prerequisite: EDSP 5362.

Permission of Coordinator required.

EDSP 5500 Concepts and Principles of Applied Behavior Analysis (3 semester hours)

This course is the first in a series of seven courses that prepares students to apply for the Board-Certified Behavior Analyst (BCBA) exam. In this course, students learn the basic concepts and principles of Applied Behavior Analysis. Successful performance of the tasks on the BACB Fifth Edition Task List requires the foundational knowledge presented in this course for all BCBA candidates. Many concepts in the course will be examined in greater detail, in subsequent courses in the LMU BCBA program.

Corequisite: EDSP 5600.

EDSP 5501 Behavior Assessment and Measurement (3 semester hours)

This course is the 3rd in a series of seven courses that prepares students to apply for the Board-Certified Behavior Analyst (BCBA) exam or as an additional elective for degree seeking and/or interested students that meet the prerequisites.

In this course, students learn the basic principles of functional assessment of behavior problems, techniques of behavioral assessment, the fundamentals of repeated measurement to make data-based decisions about the function of a behavior and the effectiveness of an intervention, and evidence-based practices that promote social competency and "cura personalis" (care of the whole person) as aligned with the LMU Ignatian Paradigm (IP). Students will identify and select appropriate observation methods, employ functional assessment procedures and methods, display and interpret data, and design behavior intervention plans that result in socially meaningful outcomes "socially meaningful outcomes that are aligned with the LMU IP mission to promote meaningful action in one's environment." (Prevention/Antecedent strategies identify and make environmental changes that reduce the need for behavior analysis G-08.) Students will complete a functional assessment which will include recommendations.

Prerequisites: EDSP 5500 and EDSP 5600.

Corequisite: EDSP 5502.

EDSP 5502 Behavior Change I: Reinforcement, Stimulus Control, Teaching New Behaviors and Supervision (3 semester hours)

This course is the 4th in a series of seven courses that prepares students to apply for the Board-Certified Behavior Analyst (BCBA) exam.

This course will familiarize students with all aspects of reinforcement, including the identification of reinforcers and the role they play in behavior change (e.g., operant conditioning, stimulus control), and including the use of various schedules of reinforcement. Students will learn the procedures for and differentiate between different behavioral approaches to teaching new behaviors to clients, such as shaping, chaining, and direct instruction. Students will be able to develop meaningful behavior goals for their clients that account for and reflect upon the clients' contexts, backgrounds and communities, in alignment with IP pedagogy. Students will identify potential interventions based on a functional assessment and the best available scientific evidence. Students will also learn to reflect upon and select the most appropriate procedure for reaching said goals and apply both supervision and management guidelines for potential supervisees.

Prerequisites: EDSP 5500 and EDSP 5600.
Corequisite: EDSP 5501.

EDSP 5503 Behavior Change II: Verbal Behavior, Preventing and Reducing Unwanted Behaviors, and Supervision (3 semester hours)

This course is the fifth in a series of seven courses that prepares students to apply for the Board-Certified Behavior Analyst (BCBA) exam or as additional elective for degree-seeking and/or interested students that meet the prerequisites.

This course will address how students can support their clients by enacting behavioral procedures for reducing unwanted client behaviors and build alternative behavioral repertoires that allow for increased success in their environment. Students will learn behavior change procedures involving different schedules of reinforcement, strategies to increase client independence; how to determine and reflect upon the least intrusive approach to changing behavior; and how to select behavior change strategies that are most beneficial to the individual client within their learning context and community. Students will be expected to identify and evaluate any undesired side effects of various intervention strategies in order to determine the best possible intervention for specific client needs. Students will also identify and apply appropriate supervision and management guidelines to potential supervisees.

Prerequisites: EDSP 5500, EDSP 5501, EDSP 5502, EDSP 5600.
Corequisite: EDSP 5504.

EDSP 5504 Experimental Design and Data Interpretation (3 semester hours)

This course will review and apply experimental design treatments. Students will interpret and analyze graphic displays of behavioral data and use that data to promote generalized behavior change. Ethical considerations will be identified and applied to behavioral research and experimental design.

Prerequisites: EDSP 5500, EDSP 5501, EDSP 5502, EDSP 5600.
Corequisite: EDSP 5503.

EDSP 5505 Ethical Compliance and Professionalism (3 semester hours)

Students will identify the history of ethics and the Nine Core Principles of Ethical Treatment. This course will review responsible conduct of the Behavior Analyst and ethical practices in behavior assessments and implementing behavior change procedures.

Prerequisites: EDSP 5500, EDSP 5501, EDSP 5502, EDSP 5503, EDSP 5504, EDSP 5600.

EDSP 5600 Philosophical Assumptions of Applied Behavior Analysis (3 semester hours)

This course is the 2nd course in a series of seven courses that prepares students to apply for the Board-Certified Behavior Analyst (BCBA) exam. In this course, students learn foundational concepts of applied behavior analysis, its history, and its evolution from radical to methodological behaviorism. Students learn about and connect the work of historical contributors to the field, such as B. F. Skinner, to modern day practices. Underlying assumptions of the science of behavior analysis are stressed, including determinism, empiricism, experimentation (experimental analysis), replication, parsimony, and philosophical doubt. Successful performance of the tasks on the BACB 5th Edition Task List requires the foundational knowledge presented in this course for all BCBA candidates. Many concepts in the course will be examined in greater detail, in subsequent course in the LMU BCBA program.

Corequisite: EDSP 5500.

EDSP 5998 Special Studies (3 semester hours)**EDSP 5999 Independent Studies (1-3 semester hours)****EDSP 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs (3 semester hours)**

An overview of the problems confronting educators of students with exceptional needs with a view to developing an understanding of the psychological and educational implications for instruction and program planning. An overview of major exceptionalities and implications of recent legislation for the disabled ("mainstreaming") will be emphasized.

This course meets the requirements for the 2042 credential.

EDSP 6101 Psychology and Education of Culturally/Linguistically Diverse Students with Exceptional Needs (3 semester hours)

An overview of the problems confronting educators of students with exceptional needs, with a view to developing an understanding of the psychological and educational implications for instruction and program planning. An overview of major exceptionalities and implications of recent legislation for the disabled ("mainstreaming") will be emphasized.

EDSP 6104 Leadership for Instruction, Learning, and Achievement (3 semester hours)

Designed for school management and institutional trainers to afford understanding of individualization of instruction, evaluation and assessment of instructional practices, skill in design and implementation of instructional sequences, and elements of effective instruction for all students.

EDSP 6106 Human Development and Learning (3 semester hours)

The study of major psychological theories and their application to the understanding of human behavior and the processes of learning. Appraisal of human biological, psychological, and social development from infancy through adolescence. Emphasis is placed on the impact of culture and diversity on child and adolescent development.

EDSP 6251 Secondary School Curriculum and Methods for Math and Science (3 semester hours)

Objectives, methods, materials, and problems involved in teaching math and science in the secondary schools. Explores methods of long and short range planning, course overviews, unit plans and lesson planning. Presents alternative strategies of instruction and methods of diagnosing needs and evaluating learning. Current approaches to classroom discipline, management, and organization are studied.

EDSP 6300 Creating Effective Classrooms (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective and that facilitate positive self-esteem and self-advocacy. In addition, the candidate will be prepared to demonstrate knowledge of behavior management strategies, varying communication styles that impact learning and laws and regulations for promoting behavior that is positive and self-regulatory.

EDSP 6301 Creating Collaborative Partnerships (3 semester hours)

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members, and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel. The candidate will learn how to work in partnership to be able to design, implement and evaluate integrated services that reflect transitional stages across life span for all learners.

EDSP 6302 Assessment of Students with Exceptional Needs (3 semester hours)

This course surveys a variety of evidence-based strategies for assessing Fluent English Proficient (FEP) and English Language Learner (ELL) students with mild/moderate disabilities. Course content includes principles and techniques for assessing learning, developing appropriate IEP goals and instructional recommendations based on individual needs. Both formal and informal methods of assessment are reviewed, including Curriculum Based Assessment. Includes lecture and practicum.

EDSP 6303 Teaching and Assessing Students with Mild/Moderate Disabilities (3 semester hours)

Principles and techniques for diagnosing learning and behavioral strengths and weaknesses in children and youth with learning disability, mental retardation, other health impairments or serious disturbance. Additional emphasis is placed on effective techniques and methods in working with culturally and linguistically diverse youth, development of teaching strategies, goals, and objectives suitable for direct intervention, implementation of individual instructional programs, and evaluation of program approaches and effectiveness.

EDSP 6304 Policies and Issues in Education for Diverse Learners with Disabilities (3 semester hours)

Survey of current issues and trends in the psychology and education of students with learning handicaps, e.g., "mainstreaming" theoretical instructional systems, use of research findings in programs implementation, counseling, career guidance, and program evaluation, with emphasis on history and practices of bilingual education including organizational models and instructional strategies.

EDSP 6310 Professional Induction Planning Seminar (0 semester hours)

Candidates for the Professional Level II Education Specialist credential are required to take this course at the beginning of their Level II program. During this individualized seminar, the candidate develops a Professional Induction Plan with an assigned district support provider and a college advisor.

Special approval required.

EDSP 6311 Advanced Issues in Assessment and Instruction of Students with Special Needs (3 semester hours)

In this advanced course, candidates acquire knowledge and skills to appropriately assess and instruct students with Mild/Moderate disabilities. Course content includes selecting and administering a variety of formal and informal assessment procedures in order to be able to teach, adapt and integrate curriculum appropriate to the educational needs of students.

Special approval required.

EDSP 6312 Consultation and Collaboration for Students with Special Needs (3 semester hours)

This course will provide opportunities for candidates to develop skills in communication, collaboration and consultation with teachers and other school personnel, community professionals, and parents. A specific area of emphasis will be on the communication of relevant social, academic, and behavioral information in the areas of assessment, curriculum, behavior management, social adjustment, and legal requirements. At the completion of the course, candidates will be prepared to coordinate the process involved in special education placements.

Special approval required.

EDSP 6313 Supportive Environments for Students with Behavioral and Emotional Needs (3 semester hours)

In this advanced course, candidates develop systems for academic and social skills instruction for students with complex behavioral and emotional needs including attention disorders, depression and suicidal behavior, psychotic behavior anxiety and related disorders, and delinquency of substance abuse. Course content includes advanced study of behavioral supports, social skills instruction, crisis management, and positive learning environments. Collaborative work with other professionals and community agencies is emphasized in the development of comprehensive support programs for these students.

Special approval required.

EDSP 6314 Professional Educator Evaluation Seminar (1 semester hour)

This seminar is the culminating experience for the Professional Education Specialist credential program. Students reevaluate their professional competency to assess and teach culturally diverse students with learning and behavior problems. They compile a Professional Educator Portfolio, which includes artifacts documenting their professional competence and a plan for their continuing professional growth. The district support provider and the college advisor continue to support the student in this process.

EDSP 6317 Research and Leadership in Special Education (2 semester hours)

This seminar-style course will assist candidates to further develop and implement research skills in Special Education. Candidates will review seminal and current research. The course will also review research related to implementing change and effective practices for diverse populations with disabilities in the schools. This course will require active online and in-class assignments, discussions and participation. The course is designed to be directed by candidate's work in the schools with students, colleagues and families.

EDSP 6318 Supporting Behavior and Social Skills for Students with Exceptional Needs (3 semester hours)

This course is designed to prepare candidates to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective and that facilitate positive self-esteem and self-advocacy. The candidates will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory. In addition, this course focuses on characteristic and learning needs of students with emotional disturbance and autism.

EDSP 6319 Literacy Instruction for Special Needs Students in Single Subject Classrooms (3 semester hours)

This graduate course is designed to develop an understanding of the nature of literacy and how it impacts the content literacy needs of disabilities. Course content includes evidence-based approaches to language arts/literacy instruction, assessment, differential instruction; Response to Intervention (RtI), literacy needs of ELLs and students with disabilities, as well as methods, processes, and techniques for teaching content area literacy skills in grades 6-12.

EDSP 6320 Development of IEPs for Students with Exceptional Needs (1 semester hour)

This training course is designed to provide candidates with essential information regarding the development of individualized Education Programs for students with disabilities. Candidates will learn the general components of an IEP, and how to develop current student functioning levels and goals.

EDSP 6325 Foundation of Special Education (2 semester hours)

This course will provide an overview of the characteristics of diverse students with high incidence disabilities with a view towards developing an understanding of the psychological and educational implications of these exceptionalities. This course will also emphasize current laws and procedures regarding the appropriate education of these students and review major relevant issues affecting the field of special education including Universal Design for Learning, inclusion, advocacy, assistive technology, Response to Intervention/early intervention, collaborating with diverse families and educational professionals, and transition planning.

Fieldwork required.

EDSP 6362 Counseling Theories and Techniques (3 semester hours)

A survey of major theoretical orientations to the practice of counseling. An overview of basic counseling skills with particular emphasis on communication skills applicable to the counseling relationship. Candidates are introduced to experiences that will give them a greater understanding of self and others.

EDSP 6365 Research Methodology and Statistics (3 semester hours)

An introduction to data gathering methods and models of assessment statistics to guide program direction and evidence-based educational decision-making. Overview of different types of tests and inventories, their construction and evaluation. Candidates will also learn how to design and collect different types of data to determine the impact of their counseling interventions. Preparation in explaining educational assessment data and results data to different stakeholders. Basic descriptive statistics, research designs and methods will also be examined to develop skill in a critical approach to examining the research literature in counseling as well as the importance of conducting counseling research.

EDSP 6366 Principles, Organization, and Administration of Pupil Personnel and Human Services (3 semester hours)

This course emphasizes contemporary trends in school counseling, including application of the ASCA National Model. The role of the school counselor as a leader and change agent and best practices will be examined. Information pertaining to the practice of school counseling and guidelines for the development, implementation, coordination, and evaluation of pupil personnel services in elementary, middle, and high school will be provided. Facilitating collaborative partnerships with school-based personnel and community resources, including referral processes for students and families, will be addressed. Field assignment required.

EDSP 6368 Career Counseling and Educational Planning (3 semester hours)

An overview of career development theories as they relate to the whole person will be examined, including effectively addressing the needs of specific populations (e.g., women, ethnic minorities, students with special needs, and economically disadvantaged students). Assessment and counseling techniques and related tools to be used within career counseling and educational planning will be explored. This course will also emphasize contemporary trends in educational and career guidance applied to educational and career planning within the K-12 and higher education settings. Field assignment and lab fee required.

Prerequisite: EDSP 6390 or EDSP 6391.

EDSP 6372 Consultation and Collaboration in Schools (3 semester hours)

This course is designed to support learning and application of knowledge and skill in collaborative consultation with school personnel and families on academic, social, and behavioral factors that impact student achievement and related outcomes. Candidates will also learn and apply concepts related to systemic consultation, with an emphasis on prevention and early intervention. The counselor's leadership role in identifying, organizing, and developing prevention and intervention services is emphasized. Field assignment required.

EDSP 6376 Crisis and Trauma Counseling (3 semester hours)

This graduate level course is designed to support learning and application of knowledge and skill in 1) counseling; 2) prevention and early intervention in events such as violence, suicide, pregnancy, and others that may lead to individual crises; 3) quality indicators of school and community-based crisis teams.

Prerequisite: EDSP 6362.

EDSP 6377 Multicultural Counseling (3 semester hours)

Students examine the spectrum of beliefs, values, and behaviors that comprise cultural diversity and on developing strategies that facilitate the counseling process.

Prerequisites: EDSP 6362 and EDSP 6391.

EDSP 6378 Group Counseling (3 semester hours)

Theories, techniques, and development of human communication processes, both verbal and non-verbal, in group situations. Experience in group participation is provided. Use of communication skills applicable to counseling.

Prerequisites: EDSP 6362, EDSP 6391, and EDSP 6394.

Credit/No Credit only.

EDSP 6379 Social, Emotional, and Behavioral Functioning (3 semester hours)

Candidates will become familiar with the spectrum of emotional and behavioral disorders and symptomatology. In this course, candidates will learn both DSM-IV-TR diagnostic criteria and educational code criteria that apply to emotional and behavioral problems. Other areas covered in this course include promoting health and wellness, evidence-based treatments, school-based preventions and interventions, and referral resources.

Prerequisites: EDSP 6362 and EDSP 6390.

EDSP 6382 Ethical and Legal Issues (3 semester hours)

This course examines ethics, laws, regulations, and best practices for pupil personnel counseling professionals. Critical issues relevant to child abuse and partner abuse will be addressed. Procedures for resolving ethical and legal dilemmas will be emphasized.

EDSP 6384 Practicum in School Psychology (3 semester hours)

On-site supervised field work experiences and on-campus demonstrations, practicum and seminars designed to develop the student's competence in performance of School Psychologist functions and working knowledge and beginning competencies of the School Psychologist. Experiences focus upon the direct application of classroom knowledge and training. Enrollment limited to students accepted and enrolled in the School Psychology Credential Program. (Application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course).

Credit/No Credit only.

Special approval required.

EDSP 6386 Culturally Responsive Counseling with Individuals (3 semester hours)

Through the use of videotaped sessions with volunteer clients, advanced candidates under the supervision of licensed professionals observe and critique their counseling skills with individuals and groups. This class involves peer evaluation and discussion. Cross-cultural counseling experiences are emphasized.

Prerequisite: EDSP 6394.

Completion and documentation of approved 10 pre-counseling hours required.

Credit/No Credit only.

Permission of Coordinator required.

EDSP 6390 Lifespan Development (3 semester hours)

The study of major psychological theories and their application to the understanding of human behavior. Appraisal of human biological, psychological, and social lifespan development from infancy through death. Emphasis is placed on the impact of culture and diversity on lifespan development.

EDSP 6391 Foundations of Counseling (3 semester hours)

The objectives of this course are for master's students in counseling to gain core foundational knowledge of the counseling field and facilitate the development of a professional counselor identity. The core foundations include the history of counseling, multicultural issues, career and vocational counseling, counseling, process and outcome, ethics, prevention, health promotion, and social justice. In addition, a review of the practice of counseling and program specializations will be offered.

EDSP 6392 Psychopharmacology (3 semester hours)

The primary objective of this course is to offer a survey of psychopharmacology for the professional counselor. Biological and psychological effects of psychotropic medications will be discussed along with indications and contraindications for psychopharmacological interventions and the relative efficacy of psychopharmacology treatments in comparison to counseling and psychotherapeutic interventions will be addressed.

EDSP 6393 Assessment, Appraisal, and Diagnosis (3 semester hours)

The objectives of this course include developing a broad understanding of assessment issues and procedures. These issues and procedures include 1) the history of assessment, 2) legal and ethical issues, 3) cultural diversity, 4) the scientist/practitioner approach to clinical judgment, 5) diagnostic interviewing, 6) approaches to test construction, 7) reliability and validity, 8) types of vocational, cognitive, and personality tests, and 9) special education.

EDSP 6394 Helping Skills (3 semester hours)

The objectives of this course are for graduate students in counseling and education to 1) develop proficiency in beginning counseling skills, 2) prepare for counseling fieldwork experiences, and 3) begin to develop an understanding of the counselor's role in facilitating or inhibiting client change. Multicultural experiences are emphasized.

Prerequisite: EDSP 6362.

Permission of Coordinator required.

EDSP 6395 Counseling for Addictions and Substance Use Disorders (3 semester hours)

This graduate course is intended to provide graduate Counseling students with core foundational knowledge of addictions counseling including substance abuse, co-occurring disorders, and addiction (e.g., gambling, sex, food, pornography). Major approaches to identification, evaluation, treatment, and prevention of substance abuse and addiction will be explored. Topical consideration will also be given to legal and medical aspects of substance use and addictions, populations and risk, the role of support persons, support systems, and community resources. Addictions and addictions counseling within the contexts of culture, race, ethnicity, gender, and social class will be examined.

Prerequisites: EDSP 6362 and EDSP 6391.

EDSP 6396 Human Sexuality and Gender Identity (3 semester hours)

This graduate level course explores historical and contemporary theories and best practices relative to sexuality across the lifespan. The biological, physiological, psychological, and sociocultural factors that influence human sexual responses will be addressed, advanced counseling and psychotherapeutic techniques relative to assessment and treatment will be introduced, and the contemporary socio-political environment relative to certain populations (e.g., LGBTQ, physically challenged, etc.) and the media (e.g., visual, auditory, and written) that frame the expression of sexuality will be discussed.

Prerequisites: EDSP 6362 and EDSP 6391.

EDSP 6397 Trauma Counseling: Theories and Interventions (3 semester hours)

This graduate level course is intended to provide graduate Counseling students with core foundational knowledge of and best practices relative to responding to traumas, catastrophes, and disasters. Specific foci will target theories and models for understanding intrapersonal, interpersonal, and community responses to natural and man-made disasters, war, and genocide. Violence in the community, in the workplace, and in schools will be addressed as will violence across the lifespan, within the context of multiculturalism, and within the context of national and international parameters. The trauma of loss and vulnerability will also be explored. Finally, ways of managing challenges, concerns, and issues relative to counselor self-care, first responders, and ethical practices will be discussed.

Prerequisites: EDSP 6362 and EDSP 6391.

EDSP 6400 Community Psychology: Theories and Practice (3 semester hours)

This graduate level course provides an overview of community psychology theoretical models. Candidates will be exposed to evidence-based approaches to prevention and promotion of social-emotional competencies and resilience across the lifespan within a variety of contexts. This course will offer a community-based learning opportunity emphasizing social justice and health promotion, particularly in underprivileged and/or underserved populations.

EDSP 6500 Foundations of Ethical, Professional, and Legal Practice in School Psychology (3 semester hours)

This course provides a comprehensive study of the field of School Psychology. Content includes historical antecedents and contemporary educational, legal, and system issues which frame the multiple roles, service models, and methods of the practice of school psychologists. State and national standards that govern the training of school psychologists are highlighted.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6501 Introduction to Ethics and School Psychology Practice (1 semester hour)

This course provides an overview of professional ethics and practice in the field of school psychology. Content draws on state and national guidelines, standards, and domains of practice.

EDSP 6502 Determinants of Child and Adolescent Learning and Development (3 semester hours)

This course introduces candidates to knowledge base regarding major contributors to student learning and development. Educational context and social influences on behaviors are reviewed. Advanced analysis and application of major psychological theories and biological basis will help candidates understand typical and atypical child and adolescent development. Evidence-based individual, school, family, and community interventions are explored.

EDSP 6504 Statistics, Research Methods, and Program Evaluation (3 semester hours)

This graduate level course emphasizes the development of knowledge and skills with regard to interpreting and applying essential descriptive statistics, research methodologies, and basic concepts of psychological and education assessment. The course content consists of an overview of individual and group tests and inventories; test construction and evaluation; alternative assessment; progress monitoring; program evaluation; and comprehensive testing programs.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6505 Advocacy, Leadership and Professional Practice I (1 semester hour)**EDSP 6506 Seminar in Counseling and Interpersonal Relations (3 semester hours)**

This course provides an overview of major counseling theories, and provides candidates with basic counseling skills with general and special education students. Candidates will learn general and specific techniques appropriate for use in school settings. Issues related to interpersonal relationships, culturally competent counseling, law and ethics, and evaluation of counseling will be addressed.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6507 Advocacy, Leadership and Professional Practice II (1 semester hour)**EDSP 6508 Student Diversity and Exceptionalities (3 semester hours)**

This course provides an overview of the characteristics of student diversity and exceptionality, including but not limited to individual differences, ability/disability, race, culture, language, socioeconomic status, and gender and the impact on educational access. Candidates learn also about eligibility determination/evaluation, legal/ethical guidelines, and the importance of culturally competent practice, with an emphasis on strength-based approaches, evidence-based educational/intervention strategies, multi-tiered system of supports, and collaboration with diverse families.

Permission of Coordinator required.

EDSP 6510 Seminar in Instruction and Learning (3 semester hours)

This course provides students with an overview of teacher instruction and the evaluation of student learning using curriculum based measures for reading, writing, and math; observation of student behavior during instruction; teacher interviews; and observation of effective classroom practices. The course also provides an overview of instructional strategies in the areas of reading, writing, and math for students who are at-risk for academic failure.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6512 Group Counseling and Intervention with Children and Adolescents (3 semester hours)

This course focuses on the application of group counseling theories to support positive mental health development in children and adolescents. Topics include different types of group counseling, including psychoeducational and social skills groups in the school setting. Issues related to culturally competent group counseling and law and ethics will be addressed.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6513 Advanced Counseling Seminar I (2 semester hours)

This course is the first of a two-semester counseling supervision experience for school psychology candidates completing their second-year practicum. Candidates will learn more in depth techniques to counsel children and adolescents individually and in groups, including cognitive behavioral therapy and solution-focused brief counseling. Course topics also include legal and ethical issues in counseling, multicultural counseling and cultural humility, goal setting and progress monitoring, and self-care. Field activities required.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6514 Family, School, and Community Collaboration (3 semester hours)

This course emphasizes the principles and research related to collaborating effectively with diverse families and community partners to positively impact student learning, health, and mental health. Using experiential and ethnographic approaches, candidates learn historical and contemporary perspectives on family systems, strengths, needs, and culture. Candidates also learn evidence-based strategies to design, implement, and evaluate culturally-responsive services to promote family-school-community partnerships. Themes covered may include: inequality in educational policies and practices, overrepresentation of minorities in special education, assessment/intervention bias, immigration and second language learners, and working with non-majority culture and SES groups.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6515 Advanced Counseling Seminar II (2 semester hours)

This course is the second of a two-semester counseling supervision experience for school psychology candidates completing their second-year practicum. Candidates will learn more in depth techniques to counsel children and adolescents individually and in groups, including cognitive behavioral therapy and solution-focused brief counseling. Course topics also include legal and ethical issues in counseling, multicultural counseling and cultural humility, goal setting and progress monitoring, and self-care. Field activities required.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6516 Seminar in Motivation and Achievement (2 semester hours)

This course focuses on psychological theories, concepts, and research related to developing intervention to improve student outcomes, individually and school-wide. Special emphasis is placed on motivational theories and application, school engagement, family influences, and socio-cultural factors on learning.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6518 Assessment and Intervention for Cognitive and Learning Problems I (3 semester hours)

This is the first of a two-semester course focusing on psycho-educational assessment, intervention, and data-based decision making. Content includes psychological theory and psychometrics as related to achievement, motivation, school climate, family influences, retention, assessment of learning environments, and socio-cultural impact on learning. Legal and ethical issues related to testing cultural and linguistically diverse students are emphasized, along with proper administration, scoring, interpretation of results, and integration of data from multiple sources.

School Psychology Program only.
Permission of Coordinator required.
Course fee required.

EDSP 6520 Prevention, Intervention, and Consultation (3 semester hours)

This course provides knowledge and application related to effective decision making and problem solving for school psychologists through consultation and collaboration. Content includes the study of methods of collaborative consultation and communication with individuals, families, groups, and systems.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6522 Assessment and Intervention for Cognitive and Learning Problems II (3 semester hours)

This is the second of a two-semester course focusing on psycho-educational assessment, intervention, and data-based decision making. Content includes psychological theory and psychometrics as related to achievement, motivation, school climate, family influences, retention, assessment of learning environments, and socio-cultural impact on learning. Legal and ethical issues related to testing culturally and linguistically diverse students are emphasized, along with proper administration, scoring, interpretation of results, and integration of data from multiple sources.

Permission of Coordinator required.
School Psychology Program only.
Course fee required.

EDSP 6524 Practicum in School Psychology I (3 semester hours)

This course is the first of a full year (two-semester) field experience with concurrent University seminar for second-year candidates in the School Psychology program. Candidates gain knowledge and experience, practice skills acquired in course work, and demonstrate beginning competency in a wide range of skills and services typically performed by a school psychologist.

Permission of Coordinator required.
School Psychology Program only.

EDSP 6525 Practicum in School Psychology II (3 semester hours)

This course is the second of a full year (two-semester) field experience with concurrent University seminar for second-year candidates in the School Psychology program. Candidates continue to gain knowledge and experience, practice skills acquired in course work, and demonstrate more advanced competency in a wide range of skills and services typically performed by a school psychologist, in preparation for internship the following year.

Permission of Coordinator required.
School Psychology Program only.

EDSP 6526 Social Responsibility, Violence Prevention, and Crisis Intervention in Schools (3 semester hours)

This course focuses on preventive and responsive services to promote resilience and reduce risk in student populations. Candidates learn about the development, implementation, and evaluation of systemic and individual strategies to address issues such as violence, pregnancy, bullying, and suicide. Candidates also learn about best practices in school-based crisis teams, including prevention, preparation, response, and recovery. The importance of collaborating with families and community agencies to ensure safe and violence-free schools is highlighted.

Permission of Coordinator required.
School Psychology Program only.

EDSP 6528 Social, Emotional, and Behavioral Assessment (3 semester hours)

This course teaches candidates to administer and interpret assessments of students' social and emotional functioning in school. Students use assessment results, in conjunction with other data sources to write comprehensive psychoeducational reports with concise conceptualization of how a student's social and emotional issues impact his/her school functioning.

School Psychology Program only.
Permission of Coordinator required.
Course fee required.

EDSP 6530 Treatment of Emotional and Behavioral Disorders in Children and Adolescents (3 semester hours)

This course focuses on biological, cultural, developmental, and social influences on emotional and behavioral disorders in childhood and adolescence. Evidence-based interventions are addressed at the individual and systems levels, and contemporary social justice issues are highlighted to build awareness of appropriate considerations for prevention and intervention.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6532 Seminar in School Systems and Psychological Services (3 semester hours)

This course emphasizes the breadth of school psychology roles, functions, and settings of practice, in preparation for internship. Candidates expand their knowledge of school systems, including general education, special education, and other educational and allied services. Principles and research related to organizational development and systems theory within school settings are included, with a key focus on school-wide, empirically-supported practices and interventions that enhance learning and social-emotional development and promote safe, supportive, and effective learning environments.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6534 Advanced Assessment and Positive Behavioral Intervention (3 semester hours)

This course focuses on understanding, assessing, and developing effective interventions to support student behavior at the individual, classroom, and school-wide levels. Candidates learn to conduct Functional Behavioral Assessments, focusing on antecedents, consequences, and functions of behaviors that impede learning and socialization, and they use the data collected to develop and evaluate positive behavior support plans. Candidates also learn about classroom management appropriate to students' developmental level and effective classroom and school-wide programming to promote pro-social behaviors and increase school engagement.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6535 Seminar in Ethical Leadership and Social Justice I (1 semester hour)

This course is the first of a two-semester seminar that examines ethical leadership and social justice issues within the context of candidates' full-time internship in school psychology. Content focuses on building awareness, knowledge, and leadership skills to address individual and institutional barriers, policies, and practices that perpetuate educational and social inequity.

EDSP 6536 Special Issues and Best Practices in School Psychological Services (2 semester hours)

This course reviews advanced issues and practices in the delivery of psychological services in school settings. Content includes serving students with low-incidence disabilities, the use of assistive technology, and assessment and intervention with culturally and linguistically diverse students. As part of this course, a leadership module provides candidates with knowledge about leadership in order to effect change in their practice.

School Psychology Program only.
Field assignments required.
Permission of Coordinator required.

EDSP 6537 Seminar in Ethical Leadership and Social Justice II (1 semester hour)

This course is the second of a two-semester seminar that examines ethical leadership and social justice issues within the context of candidates' full-time internship in school psychology. Content focuses on building awareness, knowledge, and leadership skills to address individual and institutional barriers, policies, and practices that perpetuate educational and social inequity.

EDSP 6538 Supervised Internship in School Psychology I (3 semester hours)

This seminar is the final level of supervision for school psychology interns. Under the supervision of both field-based and university-based psychologists, candidates refine their practice and delivery of psychoeducational services in the school setting with the P-12 student population.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6540 Supervised Internship in School Psychology II (3 semester hours)

This seminar is a continuation from previous semester designed to support school psychology interns. Support in preparation for graduation and entry into the profession of school psychology is emphasized.

School Psychology Program only.
Permission of Coordinator required.

EDSP 6600 Evidence-Based Assessment Practices to Promote Student Learning (3 semester hours)

This course will focus on evidence-based assessment practices of students with exceptional needs. It will build candidate competency in determining student progress towards content standards; use of instructional strategies and techniques to support learning; and how to use, interpret, understand, and communicate informal/formal assessment results.

Special Education Program only.

EDSP 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments (3 semester hours)

This course will address critical areas of instructional decision making while focusing on evidence-based language and literacy instruction that builds upon the cultural and linguistic backgrounds of students with learner variability in K-8 environments.

Special Education Program only.

EDSP 6602 Language and Literacy in Culturally and Linguistically Diverse Secondary Settings (3 semester hours)

This course will address critical areas of instructional decision making while focusing on evidence-based language and literacy instruction that builds upon the cultural and linguistic backgrounds of students with learner variability in secondary school environments.

EDSP 6603 Creating and Maintaining Effective Environments in Support of Student Learning (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in creating and maintaining environments for diverse learners that are safe and effective and that also facilitate positive self-esteem and self-advocacy and maximize instructional time. In addition, the candidate will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory.

Special Education Program only.

EDSP 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) (3 semester hours)

This course is designed to provide a foundation for candidates to effectively plan, implement, and evaluate instructional programs in Math, STEM, and Social Studies that are informed by CA K-12 content standards and frameworks, with focus on assessment and ELD/SDAIE strategies in elementary settings that are responsive to the needs of diverse populations and environments.

Special Education Program only.

EDSP 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) (3 semester hours)

This course is designed to provide a foundation for candidates to effectively plan, implement, and evaluate instructional programs in Math, STEM, and Social Studies that are informed by CA K-12 content standards and frameworks, with focus on assessment and ELD/SDAIE strategies in secondary settings that are responsive to the needs of diverse populations and environments.

Special Education Program only.

EDSP 6606 Developing Collaborative Partnerships for Inclusive Schooling (3 semester hours)

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel to promote partnerships and inclusive practices, including co-planning/co-teaching with general educators. The candidate will learn how to work in partnership and be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

Special Education Program only.

EDSP 6607 Developing as a Professional Educator (2 semester hours)

This course is designed to provide critical content related to professional, legal, and ethical obligations as an educator of students with exceptionalities. Candidates will use reflection and feedback to formulate and prioritize goals for increasing their subject matter knowledge and teaching effectiveness. They develop appropriate plans for professional growth in subject matter knowledge and pedagogy. This course will be offered online.

Special Education Program only.

EDSP 6608 Research Methods in Special Education (3 semester hours)

This course will provide candidates with knowledge and skills in the interpretation and application of evidence-based practices and research methodology in special education. Topics include methods for conducting survey research, experimental and quasi-experimental research, and qualitative research. Emphasizes analyses of specific issues in special education.

Special Education Program only.

EDSP 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities (3 semester hours)

This course will examine advanced evidence-based strategies for accommodating and adapting instruction for exceptional learners with high incidence disabilities who may be culturally and/or linguistically diverse.

Special Education Program only.

EDSP 6610 Special Topics in Special Education (3 semester hours)

This course will explore current issues related to characteristics, educational methods, and curricula, and questions, problems, concerns, and movements connected to the education of children and youth with learning disabilities, emotional/behavioral disorders, and autism spectrum disorders.

Special Education Program only.

EDSP 6611 Master's Professional Project (3 semester hours)

This course supports an applied research project resulting in a paper that involves original collection or treatment of data and/or results. The Professional Project involves original research and exemplifies a contribution to scholarship. The final Professional Project is a paper of scholarly quality and should address a current area of inquiry.

Special Education Program only.

EDSP 6612 Master's Thesis (3 semester hours)

This course supports an original research project resulting in a substantive paper that involves original collection or treatment of data and/or results. The Thesis involves original research and exemplifies an original contribution to scholarship. The final MA Thesis is a paper of scholarly quality and should address a current area of inquiry related to the field. The Thesis is optional for program completion, and in addition to, the MA Professional Project. It is designed for candidates who are interested in pursuing advanced training and/or doctoral level programs.

Special Education Program only.

EDSP 6820 Education of Students with Exceptional Needs in Catholic Schools (3 semester hours)

An overview of the problems confronting educators in Catholic schools regarding students with exceptional needs, with a view to developing an understanding of the educational implications for instruction and program planning. An overview of major exceptionalities and implications of recent legislation will be emphasized.

EDSP 6821 Informal Assessment and Program Development in Catholic Schools (3 semester hours)

A survey of strategies for assessing and teaching students with exceptional needs in Catholic schools. Course content includes principles and techniques for assessing learning and behavioral patterns, development of individual learning programs, development and implementation of instructional strategies based on individual needs, and designing and using pupil performance criteria to evaluate pupil learning and behavior. Includes lecture and practicum.

EDSP 6822 Creating Successful Inclusion Programs (3 semester hours)

This course will stimulate discussion and decision making about the mission of individual Catholic schools in providing an appropriate educational experience for all its students. This course will focus on essential components to be included in an individual school's inclusion plan.

EDSP 6823 Advanced Practicum in Catholic Inclusive Education (3 semester hours)

This course is a practicum during which candidates will support staff at practicum sites in the identification, assessment, and intervention of learning differences. Candidates will participate as case managers and engage in trainings for assessment and intervention instruments.

EDSP 6940 Fieldwork in Mental Health Counseling I (3 semester hours)

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit only.
Special approval required.

EDSP 6942 Fieldwork in Multicultural and Social Justice Counseling I (3 semester hours)

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit only.
Special approval required.

EDSP 6945 Fieldwork in Mental Health Counseling II (3 semester hours)

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit only.
Special approval required.

EDSP 6947 Fieldwork in Multicultural and Social Justice Counseling II (3 semester hours)

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit only.
Special approval required.

EDSP 6955 Master's Thesis I (1 semester hour)

This course is intended for students working on a master's thesis. The committee chair provides ongoing support for the master's thesis.

Credit/No Credit only.

EDSP 6956 Master's Thesis II (1 semester hour)

A continuation of Master's Thesis I for students who have not completed their master's thesis.

Credit/No Credit only.
Special approval required.

EDSP 6957 Master's Thesis III (1 semester hour)

A continuation of Master's Thesis II for students who have not completed their master's thesis.

Credit/No Credit only.
Special approval required.

EDSP 6970 Fieldwork in School Counseling I (3 semester hours)

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course; the CBEST must have been passed, and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit only.
Special approval required.

EDSP 6972 Fieldwork in Guidance Counseling (1-2 semester hours)

One hundred hours of community-based experience working with targeted populations are required for all candidates in the GCNS program. The experience will be designed to facilitate the application of classroom knowledge in various community settings. The chosen experience should be tailored to each candidate's background and future plans and should also be clearly related to the field of guidance and counseling. A proposal for this experience should be submitted to the Fieldwork Liaison for approval. Site-based mentors need to be identified and approved.

Credit/No Credit only.
Permission of Coordinator required with approval by Fieldwork Liaison.

EDSP 6973 Fieldwork in College Counseling and Student Affairs (3 semester hours)

This course requires 300 hours of supervised fieldwork in a college or university setting, focusing on the application of counseling and student affairs principles. Students will engage in hands-on, community-based experience working with targeted populations, allowing them to apply classroom knowledge in real-world higher education contexts. The fieldwork experience will be tailored to each candidate's background and future career goals, with a clear focus on the field of college counseling and student affairs. A proposal for this experience should be submitted to the Fieldwork Liaison for approval. Site-based mentors need to be identified and approved.

Credit/No Credit only.
Permission of Coordinator required with approval by Fieldwork Liaison.

EDSP 6980 Fieldwork in School Counseling II (3 semester hours)

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course in the counseling sequence completed.

Credit/No Credit only.
Special approval required.

EDSP 6984 Internship Fieldwork Supervision (1 semester hour)

A continuation of EDSP 6980 Fieldwork in School Counseling II.

EDSP 6990 Fieldwork in School Counseling III (3 semester hours)

A continuation of EDSP 6970 Fieldwork in School Counseling I.

Prerequisite: EDSP 6980
Concurrent enrollment in EDSP 6970, EDSP 6980, and EDSP 6990 is not permitted.
Credit/No Credit only.
Special approval required.

EDSP 6995 Comprehensive Examination (0 semester hours)

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program.

Credit/No Credit only.
Special approval required.
Fee required.

EDSP 6998 Special Studies (1-3 semester hours)**EDSP 6999 Independent Studies (1-3 semester hours)****EDTL 400 Sociocultural Analysis of Education (3 semester hours)**

A study of the sociological and anthropological analysis of contemporary education with emphasis on historical and cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, equity, access to the core curriculum, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today so that they are prepared to work with all learners. This course is designed for undergraduates in the traditional and/or blended teacher preparation program.

This course replaces and is equivalent to EDUR 400.

Sophomore or higher standing required.
University Core fulfilled: Integrations: Ethics and Justice; Flags: Engaged Learning, Oral Skills.

EDTL 500 Language Theory and Pedagogy for Teaching English Learners (3 semester hours)

Course content includes historical and current educational policies and theoretical perspectives of first and second language acquisition and learning. Included is the identification, assessment, placement, instructional approaches and program models designed for English Learners, including those with disabilities. The role of primary language instruction including indigenous languages and parent engagement strategies are also studied.

EDTL 501 Policies and Practices for Inclusive Classrooms (2 semester hours)

This course introduces key theories, components, and pedagogies of the education system for students with disabilities, including the fields of disability studies and special education. The course explores disability through a historical, social, linguistic, cultural, economic, and political context. Candidates are introduced to current laws, strategies, and political context. This course will review major relevant issues affecting the field of special education including co-teaching, advocacy, inclusion, collaborating with diverse families and educational professionals, and transition processes. Candidates will develop their competency to create and analyze student action plans and collaborate with colleagues to offer universal access in the classroom.

EDTL 502 Justice, Equity, Diversity, and Inclusion in Education (3 semester hours)

A survey of historical and contemporary systems of inequity in schooling with an emphasis on preparing educators to respond constructively to intersectional student diversity elementary/secondary contexts. Candidates analyze field experiences and student contexts through sociocultural lenses to develop an equity literacy. Furthermore, they examine frameworks of equity, diversity, and inclusion to support community engagement, professional conduct, curriculum development, student well-being, and positive classroom ecologies.

EDTL 503 Effective Learning Environments (3 semester hours)

This course is designed to prepare candidates to teach for social justice through the lens of sociocultural and constructivist paradigm. Teacher candidates will analyze theoretical perspectives and psychological principles that affect TK-12 student development and learning. The course will explore strategies and identify methodologies to establish and cultivate inclusive and healthy learning environments that promote all TK-12 student learning. Teacher candidates will examine teacher leadership and the characteristics of effective collaborative relationships and communities of practice within and among schools, families/households, and communities. Each teacher candidate will identify opportunities for advancing justice, equity, diversity, and inclusion as they begin to develop an individual approach to building an inclusive, productive, and well-structured learning environment that supports all TK-12 students. Clinical practice is a required component of this course for candidates in the Traditional pathway.

EDTL 510 Multiple Subjects Methods for Diverse Populations (3 semester hours)

Candidates will plan, teach, and assess lessons that attend to TK-6 English Learners and native English speakers, including those with Individualized Education Plans, Individualized Services Plans, or Section 504 plans. Emphasis on content knowledge for teaching the California Mathematics and Science Framework Standards to all students, including ways to effectively integrate assessment, technology, and the English Language Development Framework in developing equity-oriented and culturally and linguistically responsive lessons and units. Instructional and learning theories cover constructivist and sociocultural perspectives and inclusive and transformative pedagogies that support growth in collaborative, reflective, and responsive practices. Candidates acquire knowledge, skills, and abilities to deliver comprehensible instruction and develop students' learning in all classroom settings and disciplines to all students. The course teaches candidates how to utilize assessment information to diagnose students' learning abilities and develop lessons that integrate California English Language Arts, History/Social Science, and Visual and Performing Arts Frameworks and the English Language Development Standards.

The course requires participation in, and completion of, clinical practice activities throughout the semester.

EDTL 511 Literacy for Diverse Populations (3 semester hours)

This course will address critical areas of how students learn to read, focusing on evidence-based and brain-based research that supports literacy instruction for all learners. Foundations of literacy will be explored, incorporating assessment and best practices to support literacy development in students with diverse backgrounds and abilities.

EDTL 520 Clinical Supervision 1 - Elementary Student Teacher (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Elementary (Multiple Subjects) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

EDTL 521 Clinical Supervision 1 - Secondary Student Teachers (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Secondary (Single Subject) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

EDTL 524 Clinical Supervision 2 - Undergraduate Elementary Student Teachers (6 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Elementary (Multiple Subjects) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Prerequisite: EDTL 520.

Credit/No Credit only.

EDTL 525 Clinical Supervision 2 - Undergraduate Secondary Student Teachers (6 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Secondary (Single Subject) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Prerequisite: EDTL 521.
Credit/No Credit only.

EDTL 526 Elementary Teaching Seminar - Student Teachers (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice by candidates in the Elementary (Multiple Subjects) Traditional / Student Teacher pathway. Candidates will be supervised during their full-time student teaching which will take place in one culturally diverse public elementary school. Supervision and support will be provided by a Mentor Teacher and LMU Fieldwork Instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.

EDTL 527 Secondary Teaching Seminar - Student Teachers (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice by candidates in the Secondary (Single Subject) Traditional / Student Teacher pathway. Candidates will be supervised during their full-time student teaching which will take place in one culturally diverse public elementary school. Supervision and support will be provided by a Mentor Teacher and LMU Fieldwork Instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit only.

EDTL 530 Evidence-Based Assessment Practices to Promote Student Learning (3 semester hours)

This course will focus on evidence based assessment practices of students with exceptional needs. It will build candidate competency in determining student progress towards content standards, use of instructional strategies and techniques to support learning, how to use, interpret, understand, and communicate informal/formal assessment results. The course requires participation in, and completion of, clinical practice activities throughout the semester.

EDTL 531 Creating and Maintaining Effective Environments in Support of Student Learning (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in creating and maintaining environments for diverse learners that are safe and effective and that also facilitate positive self-esteem and self-advocacy and maximize instructional time. In addition, the candidate will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory.

EDTL 532 Pedagogy and Transition for Students with Disabilities (2 semester hours)

This course will prepare candidates to identify and understand the thirteen different disability categories in IDEA and atypical development associated with them. The candidates will be able to determine appropriate evidence-based teaching strategies to use depending on their students' abilities, and which supports are necessary. This course will prepare candidates to support and plan transition for students leaving high school, as well as use the Making Action Plans (MAPS) process.

EDTL 540 Critical Inquiry on Bilingualism and Biliteracy (3 semester hours)

This course focuses on the development of bilingualism, biliteracy and bicultural identity. The course emphasizes the assessment and implications of the continua of biliteracy development through analysis of case studies. Research is reviewed and conducted on the complexity of factors that impact biliteracy development from preschool through adolescence students. Consideration is given to the dynamics of being bilingual and biliterate in society and in our educational system. The course provides opportunities to explore bilingualism and biliteracy in the implementation of Dual-Language programs.

EDTL 541 Critical Pedagogy and Methodology in Spanish Bilingual Language Instruction (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs, including program characteristics, instructional approaches, and selection and use of primary language materials. Fluency and literacy in Spanish is required. This course is required for Bilingual, Crosscultural, Language and Academic Development credential candidates.

EDTL 542 Chicana/o and Latina/o Cultural Diversity: A Transnational Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. historical, political and social issues will be addressed, including communicative styles, dialectical differences and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Spanish and English.

EDTL 543 Critical Pedagogy and Methodology in Chinese Bilingual Language Instruction (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs, including program characteristics, instructional approaches, and selection and use of primary language materials. Fluency and literacy in Mandarin or Cantonese is required. This course is required for Bilingual, Crosscultural, Language and Academic Development credential candidates.

EDTL 544 Chinese / Chinese American Cultural Diversity: A Transnational Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chinese / Chinese American groups, particularly as represented in educational settings. historical, political and social issues will be addressed, including communicative styles, dialectical differences and cross-cultural interactions between cultural and linguistic groups. This class is conducted in Mandarin / Cantonese and English.

EDTL 545 Critical Pedagogy and Methodology in Korean Bilingual Language Instruction (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs, including program characteristics, instructional approaches, and selection and use of primary language materials. Fluency and literacy in Korean is required. This course is required for Bilingual, Crosscultural, Language and Academic Development credential candidates.

EDTL 546 Korean / Korean American Cultural Diversity: A Transnational Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Korean / Korean American groups, particularly as represented in educational settings. historical, political and social issues will be addressed, including communicative styles, dialectical differences and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Korean and English.

EDTL 551 Praxis Fieldwork and Seminar for Education Specialist Candidates 1 (2 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the mentor teacher. This course is designed around the needs of the candidates

EDTL 552 Praxis Fieldwork and Seminar for Education Specialist Candidates 2 (2 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the mentor teacher.

EDTL 560 Introductory Methods for Teaching Secondary Art (2 semester hours)

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for Art and the English Language Development standards. Candidates learn strategies that model and encourage student creativity, flexibility, collaboration and persistence in solving artistic problems. Candidates also learn how to teach students about the cultural contribution of Art. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Art.

EDTL 561 Advanced Methods for Teaching Secondary Art (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Art methods. The focus of this class will be on strategies that help students to produce various Art pieces including painting, sculpture, textile arts, and multimedia. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 560.

EDTL 564 Introductory Methods for Teaching Secondary English Language Arts (2 semester hours)

This course will include a variety of teaching strategies for teaching English Language Arts (Arts) in typical departmentalized settings in middle and high schools. Candidates in the course will participate in whole class discussions, in and out of class evaluations of contemporary ELA teaching and learning, and the design of materials and approaches for teaching contemporary ELA. The instructor for the course will facilitate these activities and provide formative assessment feedback for each candidate. Each class will include in-depth discussions and all classes will require the use technology. The class will be facilitated using web-based resources. The instructor will facilitate candidate work on individual class projects via email communication, online discussion forums, and synchronous video conferencing and in person class meetings. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for students in ELA focusing on reading, writing, speaking, and listening.

EDTL 565 Advanced Methods for Teaching Secondary English Language Arts (2 semester hours)

This course builds on knowledge established in the introductory course on teaching English Language Arts (ELA). The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts. Candidates will learn how to select appropriate teaching strategies to develop students' abilities to read and comprehend narrative and information texts. Candidates will also model and assist their students to integrate technology and media into language arts when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 564.

EDTL 566 Introductory Methods for Teaching Secondary Literacy & Mathematics (2 semester hours)

Candidates will learn how to design, deliver, and assess mathematics instruction for all students in grades 6-12. This course focuses on creating learning experiences in mathematics that are active, connected, sensory, emotional, and center on problem solving and communication as fundamental to learning mathematics. Candidates learn how to teach mathematical thinking through the eight Common Core Standards for Mathematical Practices within the context of storytelling and the engineering design process. Candidates learn how to engineer high impact instruction through the Mathematics Learning by Design (MLD) five instructional moves (lesson cycle) and a unique grading system that supports assessment as learning for all students, including English Learners (EL) and students with disabilities (SN). Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDTL 567 Advanced Methods for Teaching Secondary Literacy & Mathematics (2 semester hours)

Candidates will learn how to coach students in developing the mathematical reasoning and procedural skills needed to design creative solutions to complex problems. The course includes inclusive approaches to engage diverse students and will use the Universal Design for Learning (UDL) framework and the National Council of Teachers of Mathematics (NCTM) Principles to Actions framework as a foundation to meet the course outcomes. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Further, candidates in this course will critically reflect on the theory and practice of mathematical literacy. The focus of the course will be dedicated to improving mathematical teaching practice, with student evidence analysis as a cornerstone in the development of each candidate's practice. Through this course, candidates will be provided the tools and practice to successfully complete the edTPA and the culminating REAL e-portfolio. This course will require active online and in-class assignments, discussions, and participation.

Prerequisite: EDTL 566.

EDTL 568 Introductory Methods for Teaching Secondary Music (2 semester hours)

This course covers Music programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Music, including the Common Core. Candidates learn strategies for teaching music theory and analysis including transcription of musical excerpts. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction.

EDTL 569 Advanced Methods for Teaching Secondary Music (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Music methods. The focus of this class will be on strategies that help students to sight-sing, sight-read, improvise, compose, and arrange music using Western and non-Western works. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist their students to integrate technology and media into their instruction when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 568.

EDTL 570 Introductory Methods for Teaching Secondary Physical Education (2 semester hours)

This course covers Physical Education programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Physical Education, including the Common Core. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Physical Education.

EDTL 571 Advanced Methods for Teaching Secondary Physical Education (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Physical Education methods. The focus of this class will be on strategies that help students to develop a disposition towards a healthy lifestyle including problem solving barriers to physical activity participating throughout life. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 570.

EDTL 572 Introductory Methods for Teaching Secondary Literacy & Science (2 semester hours)

This one semester course introduces candidates to teaching secondary science using an inquiry approach by integrating the three dimensions: Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas (NRC, 2012) with literacy, in an effort to meet the performance expectations outlined in the Next Generation Science Standards (NRC, 2013). The emphasis of the course is "how" to teach science; methods for long and short range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for all learners. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction.

EDTL 573 Advanced Methods for Teaching Secondary Literacy & Science (2 semester hours)

This one semester course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing effective secondary science instruction for all students. Candidates will utilize the 5E model to plan instruction, link scientific knowledge to instructional pedagogy, integrate literacy instruction, effectively engage students through inquiry and science phenomena, design measurable learning objectives that drive instruction, and create/implement formative and summative assessments. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Candidates in this course will critically reflect on the theory, practice and impact of science literacy. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork.

Prerequisite: EDTL 572.

EDTL 574 Introductory Methods for Teaching Secondary Literacy & Social Sciences (2 semester hours)

This course introduces teaching techniques, innovations, and development of teaching and evaluation skills in the area of secondary school social studies. The emphasis of the course is "how" to teach social studies, as well as some theoretical exploration of the history, purposes, and direction of social studies. Candidates will learn, practice, and reflect on the technical aspects of the art and science of teaching social studies, including the adaptation of instruction to individual learner differences, and selection and design of instructional materials. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction.

EDTL 575 Advanced Methods for Teaching Secondary Literacy & Social Sciences (2 semester hours)

This course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing successful social studies learning experiences for students. This is the second semester of a year-long methods course. This semester we will examine the following areas of social studies education through the lens of historical content: standards and accountability, curriculum/unit/lesson planning and delivery, contemporary inquiry-oriented approaches for teaching social studies, assessment in the social studies and multiculturalism. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 574.

EDTL 578 Introductory Methods for Teaching Secondary World Languages (2 semester hours)

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for World Languages and the English Language Development standards. Candidates learn how to integrate the target culture in their instruction. Major themes include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; the nature of language, including basic linguistics. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state adopted academic content standards for World Languages focusing on reading, writing, speaking, and listening.

EDTL 579 Advanced Methods for Teaching Secondary World Languages (2 semester hours)

This course builds on knowledge established in the introductory course on teaching World Languages methods. The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts in the target language. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist students to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 578

EDTL 585 Infancy (3 semester hours)

This course focuses on the first three years of life. It is designed to provide a broad overview of prenatal, infant, and toddler development. Students will advance their understanding of empirical research, application of theory, and analysis. Specifically, theoretical frameworks and contemporary research that have advanced knowledge of infant and toddler development (prenatal to 3 years of age) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones as they are manifested by infants and toddlers as well as be introduced to specific disorders and delays associated with early childhood development. Students will explore the environmental influences on development such as parenting, poverty, second language acquisition, disability, and policy.

This course replaces and is equivalent to EDES 405.

Field experience will be required.

EDTL 586 Early Childhood (3 semester hours)

This course focuses on theoretical frameworks and contemporary research that have advanced knowledge of the preschool period (ages 2-8 years) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones exhibited by preschoolers. Students will explore the environmental influences on development such as peer relationships, early childhood education experiences, parenting, socialization, poverty, second language acquisition, disability, prejudice, and policy. Research findings and methods will be utilized to study the transition to formal education and literacy development.

This course replaces and is equivalent to EDES 406.

Field experience will be required.

EDTL 587 Child, Family, and Community (3 semester hours)

Students will analyze and interpret current social, cultural, institutional, and psychological factors that influence parents and children including: support systems, family structures, lifestyles, communication, attachment, personality, divorce, single parenting, socioeconomic status, prejudice and discrimination, public policies, physical and mental illness/disability, maltreatment, educational settings, and the media. Core developmental theories and related research findings will be analyzed and explored as they apply to today's world.

This course replaces and is equivalent to EDES 407.

EDTL 588 Early Childhood Education Programs and Curriculum (3 semester hours)

Students will examine the history of early childhood education as well as contemporary program design and philosophy. An analysis of the impact of public policy in the United States on the ECE field will demonstrate the links between government and the family. Students will gain an understanding of implementing philosophy through environmental space planning, program policies, and curriculum design. Developmentally appropriate practice will be analyzed across all groups of children including those with special needs and second language learners. Students will be able to identify multicultural and anti-bias curriculum as well as advance their cultural competence.

This course replaces and is equivalent to EDES 408.

Field experience will be required.

EDTL 598 Special Studies (0-3 semester hours)**EDTL 599 Independent Studies (1-3 semester hours)****EDTL 6000 Language Theory and Pedagogy for Teaching English Learners (3 semester hours)**

Course content includes historical and current educational policies and theoretical perspectives of first and second language acquisition and learning. Included is the identification, assessment, placement, instructional approaches and program models designed for English Learners, including those with disabilities. The role of primary language instruction including indigenous languages and parent engagement strategies are also studied.

EDTL 6001 Policies and Practices for Inclusive Classrooms (2 semester hours)

This course introduces key theories, components, and pedagogies of the education system for students with disabilities, including the fields of disability studies and special education. The course explores disability through a historical, social, linguistic, cultural, economic, and political context. Candidates are introduced to current laws, strategies, and political context. This course will review major relevant issues affecting the field of special education including co-teaching, advocacy, inclusion, collaborating with diverse families and educational professionals, and transition processes. Candidates will develop their competency to create and analyze student action plans and collaborate with colleagues to offer universal access in the classroom.

EDTL 6002 Justice, Equity, Diversity, and Inclusion in Education (3 semester hours)

A survey of historical and contemporary systems of inequity in schooling with an emphasis on preparing educators to respond constructively to intersectional student diversity elementary/secondary contexts. Candidates analyze field experiences and student contexts through sociocultural lenses to develop an equity literacy. Furthermore, they examine frameworks of equity, diversity, and inclusion to support community engagement, professional conduct, curriculum development, student well-being, and positive classroom ecologies.

EDTL 6003 Effective Learning Environments (3 semester hours)

This course is designed to prepare candidates to teach for social justice through the lens of sociocultural and constructivist paradigm. Teacher candidates will analyze theoretical perspectives and psychological principles that affect TK-12 student development and learning. The course will explore strategies and identify methodologies to establish and cultivate inclusive and healthy learning environments that promote all TK-12 student learning. Teacher candidates will examine teacher leadership and the characteristics of effective collaborative relationships and communities of practice within and among schools, families/ households, and communities. Each teacher candidate will identify opportunities for advancing justice, equity, diversity, and inclusion as they begin to develop an individual approach to building an inclusive, productive, and well-structured learning environment that supports all TK-12 students. Clinical practice is a required component of this course for candidates in the Traditional pathway.

EDTL 6100 Multiple Subjects Methods for Diverse Populations (3 semester hours)

Candidates will plan, teach, and assess lessons that attend to TK-6 English Learners and native English speakers, including those with Individualized Education Plans, Individualized Services Plans, or Section 504 plans. Emphasis on content knowledge for teaching the California Mathematics and Science Framework Standards to all students, including ways to effectively integrate assessment, technology, and the English Language Development Framework in developing equity-oriented and culturally and linguistically responsive lessons and units. Instructional and learning theories cover constructivist and sociocultural perspectives and inclusive and transformative pedagogies that support growth in collaborative, reflective, and responsive practices. Candidates acquire knowledge, skills, and abilities to deliver comprehensible instruction and develop students' learning in all classroom settings and disciplines to all students. The course teaches candidates how to utilize assessment information to diagnose students' learning abilities and develop lessons that integrate California English Language Arts, History/ Social Science, and Visual and Performing Arts Frameworks and the English Language Development Standards.

The course requires participation in, and completion of, clinical practice activities throughout the semester.

EDTL 6101 Literacy for Diverse Populations (3 semester hours)

This course will address critical areas of how students learn to read, focusing on evidence-based and brain-based research that supports literacy instruction for all learners. Foundations of literacy will be explored, incorporating assessment and best practices to support literacy development in students with diverse backgrounds and abilities.

EDTL 6200 Introductory Methods for Teaching Secondary Art (2 semester hours)

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for Art and the English Language Development standards. Candidates learn strategies that model and encourage student creativity, flexibility, collaboration and persistence in solving artistic problems. Candidates also learn how to teach students about the cultural contribution of Art. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Art.

EDTL 6201 Advanced Methods for Teaching Secondary Art (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Art methods. The focus of this class will be on strategies that help students to produce various Art pieces including painting, sculpture, textile arts, and multimedia. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 6200.

EDTL 6204 Introductory Methods for Teaching Secondary English Language Arts (2 semester hours)

This course will include a variety of teaching strategies for teaching English Language Arts (Arts) in typical departmentalized settings in middle and high schools. Candidates in the course will participate in whole class discussions, in and out of class evaluations of contemporary ELA teaching and learning, and the design of materials and approaches for teaching contemporary ELA. The instructor for the course will facilitate these activities and provide formative assessment feedback for each candidate. Each class will include in-depth discussions and all classes will require the use technology. The class will be facilitated using web-based resources. The instructor will facilitate candidate work on individual class projects via email communication, online discussion forums, and synchronous video conferencing and in person class meetings. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for students in ELA focusing on reading, writing, speaking, and listening.

EDTL 6205 Advanced Methods for Teaching Secondary English Language Arts (2 semester hours)

This course builds on knowledge established in the introductory course on teaching English Language Arts (ELA). The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts. Candidates will learn how to select appropriate teaching strategies to develop students' abilities to read and comprehend narrative and information texts. Candidates will also model and assist their students to integrate technology and media into language arts when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 6204.

EDTL 6206 Introductory Methods for Teaching Secondary Literacy & Mathematics (2 semester hours)

Candidates will learn how to design, deliver, and assess mathematics instruction for all students in grades 6-12. This course focuses on creating learning experiences in mathematics that are active, connected, sensory, emotional, and center on problem solving and communication as fundamental to learning mathematics. Candidates learn how to teach mathematical thinking through the eight Common Core Standards for Mathematical Practices within the context of storytelling and the engineering design process. Candidates learn how to engineer high impact instruction through the Mathematics Learning by Design (MLD) five instructional moves (lesson cycle) and a unique grading system that supports assessment as learning for all students, including English Learners (EL) and students with disabilities (SN). Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDTL 6207 Advanced Methods for Teaching Secondary Literacy & Mathematics (2 semester hours)

Candidates will learn how to coach students in developing the mathematical reasoning and procedural skills needed to design creative solutions to complex problems. The course includes inclusive approaches to engage diverse students and will use the Universal Design for Learning (UDL) framework and the National Council of Teachers of Mathematics (NCTM) Principles to Actions framework as a foundation to meet the course outcomes. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Further, candidates in this course will critically reflect on the theory and practice of mathematical literacy. The focus of the course will be dedicated to improving mathematical teaching practice, with student evidence analysis as a cornerstone in the development of each candidate's practice. Through this course, candidates will be provided the tools and practice to successfully complete the edTPA and the culminating REAL e-portfolio. This course will require active online and in-class assignments, discussions, and participation.

Prerequisite: EDTL 6206.

EDTL 6208 Introductory Methods for Teaching Secondary Music (2 semester hours)

This course covers Music programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Music, including the Common Core. Candidates learn strategies for teaching music theory and analysis including transcription of musical excerpts. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction.

EDTL 6209 Advanced Methods for Teaching Secondary Music (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Music methods. The focus of this class will be on strategies that help students to sight-sing, sight-read, improvise, compose, and arrange music using Western and non-Western works. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist their students to integrate technology and media into their instruction when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 6208.

EDTL 6210 Introductory Methods for Teaching Secondary Physical Education (2 semester hours)

This course covers Physical Education programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Physical Education, including the Common Core. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Physical Education.

EDTL 6211 Advanced Methods for Teaching Secondary Physical Education (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Physical Education methods. The focus of this class will be on strategies that help students to develop a disposition towards a healthy lifestyle including problem solving barriers to physical activity participating throughout life. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 6210.

EDTL 6212 Introductory Methods for Teaching Secondary Literacy & Science (2 semester hours)

This one semester course introduces candidates to teaching secondary science using an inquiry approach by integrating the three dimensions: Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas (NRC, 2012) with literacy, in an effort to meet the performance expectations outlined in the Next Generation Science Standards (NRC, 2013). The emphasis of the course is "how" to teach science; methods for long and short range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for all learners. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction.

EDTL 6213 Advanced Methods for Teaching Secondary Literacy & Science (2 semester hours)

This one semester course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing effective secondary science instruction for all students. Candidates will utilize the 5E model to plan instruction, link scientific knowledge to instructional pedagogy, integrate literacy instruction, effectively engage students through inquiry and science phenomena, design measurable learning objectives that drive instruction, and create/implement formative and summative assessments. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Candidates in this course will critically reflect on the theory, practice and impact of science literacy. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork.

Prerequisite: EDTL 6212.

EDTL 6214 Introductory Methods for Teaching Secondary Literacy & Social Sciences (2 semester hours)

This course introduces teaching techniques, innovations, and development of teaching and evaluation skills in the area of secondary school social studies. The emphasis of the course is "how" to teach social studies, as well as some theoretical exploration of the history, purposes, and direction of social studies. Candidates will learn, practice, and reflect on the technical aspects of the art and science of teaching social studies, including the adaptation of instruction to individual learner differences, and selection and design of instructional materials. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction.

EDTL 6215 Advanced Methods Teaching Secondary for Literacy & Social Sciences (2 semester hours)

This course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing successful social studies learning experiences for students. This is the second semester of a year-long methods course. This semester we will examine the following areas of social studies education through the lens of historical content: standards and accountability, curriculum/unit/lesson planning and delivery, contemporary inquiry-oriented approaches for teaching social studies, assessment in the social studies and multiculturalism. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 6214.

EDTL 6218 Introductory Methods for Teaching Secondary World Languages (2 semester hours)

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for World Languages and the English Language Development standards. Candidates learn how to integrate the target culture in their instruction. Major themes include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; the nature of language, including basic linguistics. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state adopted academic content standards for World Languages focusing on reading, writing, speaking, and listening.

EDTL 6219 Advanced Methods for Teaching Secondary World Languages (2 semester hours)

This course builds on knowledge established in the introductory course on teaching World Languages methods. The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts in the target language. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist students to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDTL 6218

EDTL 6300 Evidence-Based Assessment Practices to Promote Student Learning (3 semester hours)

This course will focus on evidence based assessment practices of students with exceptional needs. It will build candidate competency in determining student progress towards content standards, use of instructional strategies and techniques to support learning, how to use, interpret, understand, and communicate informal/formal assessment results. The course requires participation in, and completion of, clinical practice activities throughout the semester.

EDTL 6301 Creating and Maintaining Effective Environments in Support of Student Learning (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in creating and maintaining environments for diverse learners that are safe and effective and that also facilitate positive self-esteem and self-advocacy and maximize instructional time. In addition, the candidate will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory.

EDTL 6302 Pedagogy and Transition for Students with Disabilities (2 semester hours)

This course will prepare candidates to identify and understand the thirteen different disability categories in IDEA and atypical development associated with them. The candidates will be able to determine appropriate evidence-based teaching strategies to use depending on their students' abilities, and which supports are necessary. This course will prepare candidates to support and plan transition for students leaving high school, as well as use the Making Action Plans (MAPS) process.

EDTL 6310 The Study of Disability (3 semester hours)

This course introduces students to the field of disability studies. The course introduces key components and theories underlying disability studies and explores disability through a historical, social, linguistic, cultural, economic, and political context. This course also explores how disability is portrayed in society and reviews traditional stereotypes emerging from the disability rights movement. This course will review major relevant issues affecting the field including inclusion, advocacy, collaborating with diverse families and educational professionals, and transition processes.

EDTL 6311 International Perspectives in Disability Studies (3 semester hours)

This course examines disability related issues from an international lens. Specifically, issues such as cultural construction of disability, participation in inclusive and exclusive communities, disability related declarations, laws and policy development, organizations, educational practices, and international partnerships and collaborative projects are explored.

EDTL 6312 Evidence Based Assessment Practices to Promote Student Learning (3 semester hours)

This course will focus on evidence-based assessment practices of students with exceptional needs. It will build candidate competency in determining student progress towards content standards; use of instructional strategies and techniques to support learning; and how to use, interpret, understand, and communicate informal/formal assessment results.

This course replaces and is equivalent to EDUR 6600.

EDTL 6313 Creating and Maintaining Effective Environments in Support of Student Learning (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in creating and maintaining environments for diverse learners that are safe and effective and that also facilitate positive self-esteem and self-advocacy and maximize instructional time. In addition, the candidate will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory.

This course replaces and is equivalent to EDUR 6603.

EDTL 6340 Developing Collaborative Partnerships for Inclusive Schooling (3 semester hours)

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel to promote partnerships and inclusive practices, including co-planning/co-teaching with general educators. The candidate will learn how to work in partnership and be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

This course replaces and is equivalent to EDUR 6606.

EDTL 6341 Universally Designed Curriculum and Instruction and Assistive Technology (1 semester hour)

This course will prepare educators to design curriculum and instruction to meet the varying abilities of all students. The principles of Universal Design for Learning (UDL) as well as the components of Assistive Technology (AT) will be the content of the course. Candidates will be able to design lessons incorporating the UDL principles and the appropriate use of AT to maximize the learning for all students. Content-specific clinical practice is a required component of this course.

This course replaces and is equivalent to EDES 6441.

Admission to Catholic Inclusive Education Certificate program required.

EDTL 6342 Socio-Emot Learn/Pos Beh Sup (3 semester hours)

Candidates will learn the principles of socio-emotional learning as they relate to student success in school and in daily living. Candidates will learn how to implement strategies of positive behavior support in order to promote self-esteem and self-advocacy and maximize instructional time. Content-specific clinical practice is a required component of this course.

This course replaces and is equivalent to EDES 6442.

Prerequisite: EDTL 6341.

Admission to Catholic Inclusive Education Certificate program required.

EDTL 6343 Assessment and Instruction for Students with Varying Abilities (3 semester hours)

Candidates will be prepared to assess students with a range of abilities in order to plan appropriate instruction for the students. Candidates will know how to implement evidence-based informal and formal assessment strategies in order to monitor student progress utilizing tiered levels of support based on laws and policies for Catholic schools. Content-specific clinical practice is a required component of this course.

This course replaces and is equivalent to EDES 6443.

Prerequisite: EDTL 6341.

Admission to Catholic Inclusive Education Certificate program required.

EDTL 6344 Practicum in Catholic Inclusive Education (2 semester hours)

Candidates will participate in a digitally supervised practicum in order to develop the expertise required for candidates to demonstrate the knowledge and skills required for Catholic inclusive educators following laws and policies related to Catholic schools.

This course replaces and is equivalent to EDES 6444.

Prerequisites: EDTL 6341, EDTL 6342, EDES 6343, EDLA 6430, and EDTL 6340.

Credit/No Credit only.

EDTL 6350 Research Methods in Special Education (3 semester hours)

This course will provide candidates with knowledge and skills in the interpretation and application of evidence-based practices and research methodology in special education. Topics include methods for conducting survey research, experimental and quasi-experimental research, and qualitative research. Emphasizes analyses of specific issues in special education.

This course replaces and is equivalent to EDES 6608.

Special Education M.A. program only.

EDTL 6351 Advanced Inclusionary Practices for Students with High Incidence Disabilities (3 semester hours)

This course will examine advanced evidence-based strategies for accommodating and adapting instruction for exceptional learners with high incidence disabilities who may be culturally and/or linguistically diverse.

This course replaces and is equivalent to EDES 6609.

Special Education M.A. program only.

EDTL 6352 Special Topics in Special Education (3 semester hours)

This course will explore current issues related to characteristics, educational methods, and curricula, and questions, problems, concerns, and movements connected to the education of children and youth with learning disabilities, emotional/behavioral disorders, and autism spectrum disorders.

This course replaces and is equivalent to EDES 6610.

Special Education M.A. program only.

EDTL 6353 Master's Professional Project (3 semester hours)

This course supports an applied research project resulting in a paper that involves original collection or treatment of data and/or results. The Professional Project involves original research and exemplifies a contribution to scholarship. The final Professional Project is a paper of scholarly quality and should address a current area of inquiry.

This course replaces and is equivalent to EDES 6611.

Special Education M.A. program only.

EDTL 6400 Theories and Policies of Second Language Acquisition (3 semester hours)

Course content includes theoretical perspectives in first and second language acquisition, language teaching methodologies, assessment, identification, and program placement for English Language Learners. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education; federal, state, and local legislation; bilingual education models; and the role of parents and paraprofessionals in English language development and instructional programs for linguistic minorities.

This course replaces and is equivalent to EDES 5003.
Special approval required.

EDTL 6401 Curriculum and Instructional Leadership in a Bilingual Setting (3 semester hours)

Theory and application of curriculum development to bilingual instructional programs. These include design, organizational patterns and resources, materials and media, change strategies, and evaluation.

This course replaces and is equivalent to EDES 5325.
Special approval required.

EDTL 6402 Methodology in English Language Development and Specially Designed Academic Instruction in English (3 semester hours)

The goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs). Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills for English Learners. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose student's language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards.

This course replaces and is equivalent to EDUR 6221.

EDTL 6410 Critical Inquiry on Bilingualism and Biliteracy (3 semester hours)

This course focuses on the development of bilingualism, biliteracy and bicultural identity. The course emphasizes the assessment and implications of the continua of biliteracy development through analysis of case studies. Research is reviewed and conducted on the complexity of factors that impact biliteracy development from preschool through adolescence students. Consideration is given to the dynamics of being bilingual and biliterate in society and in our educational system. The course provides opportunities to explore bilingualism and biliteracy in the implementation of Dual-Language programs.

EDTL 6411 Anthropological Analysis of Cultural Diversity (3 semester hours)

An in-depth study of cultural diversity using methods from educational sociology and anthropology. The course will examine the major theoretical models advocating responses to cultural diversity and their practical implications for education. Themes/issues covered: contemporary demographics, genetic and cultural deficit theory, cultural mismatch theory, cultural ecological theory, sociocultural theory (neo-Vygotskian) and culturally responsive instruction, multicultural education and intercultural communication, critical pedagogy, and qualitative evaluation.

This course replaces and is equivalent to EDUR 6100.

EDTL 6412 Looking at the Classroom Culture through a Linguistic Lens (3 semester hours)

This course provides opportunities to study teaching as a linguistic process for creating and maintaining classroom culture. The course emphasizes a holistic exploration of the influences of language interactions (examining language attitudes and practices through discourse analysis), language structure (phonology and phonetics, morphology and syntax), language assessment, and language/literacy development as foundations for first and second language and literacy acquisition.

This course replaces and is equivalent to EDES 6004.

EDTL 6420 Critical Pedagogy and Methodology in Spanish Bilingual Language Instruction (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs, including program characteristics, instructional approaches, and selection and use of primary language materials. Fluency and literacy in Spanish is required. This course is required for Bilingual, Crosscultural, Language and Academic Development credential candidates.

EDTL 6421 Chicana/o and Latina/o Cultural Diversity: A Transnational Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. historical, political and social issues will be addressed, including communicative styles, dialectical differences and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Spanish and English.

EDTL 6430 Critical Pedagogy and Methodology in Chinese Bilingual Language Instruction (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs, including program characteristics, instructional approaches, and selection and use of primary language materials. Fluency and literacy in Mandarin or Cantonese is required. This course is required for Bilingual, Crosscultural, Language and Academic Development credential candidates.

EDTL 6431 Chinese / Chinese American Cultural Diversity: A Transnational Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Chinese / Chinese American groups, particularly as represented in educational settings. historical, political and social issues will be addressed, including communicative styles, dialectical differences and cross-cultural interactions between cultural and linguistic groups. This class is conducted in Mandarin / Cantonese and English.

EDTL 6440 Critical Pedagogy and Methodology in Korean Bilingual Language Instruction (3 semester hours)

Consideration is given to current trends and social issues affecting bilingual programs, including program characteristics, instructional approaches, and selection and use of primary language materials. Fluency and literacy in Korean is required. This course is required for Bilingual, Crosscultural, Language and Academic Development credential candidates.

EDTL 6441 Korean / Korean American Cultural Diversity: A Transnational Perspective (3 semester hours)

This course presents a cultural analysis of the diversity within Korean / Korean American groups, particularly as represented in educational settings. Historical, political and social issues will be addressed, including communicative styles, dialectical differences and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Korean and English.

EDTL 6501 Praxis Fieldwork and Seminar for Education Specialist Candidates 1 (2 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the mentor teacher. This course is designed around the needs of the candidates.

EDTL 6502 Praxis Fieldwork and Seminar for Education Specialist Candidates 2 (2 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the mentor teacher.

EDTL 6510 Fieldwork Experience 1 - Interns/Practitioners/Residents: Multiple Subjects (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of Elementary (Multiple Subjects) teachers in one of the following pathways: intern, practitioner, or residency. Candidates enrolled in Field Experience courses are required to demonstrate understanding of the California Teaching Performance Expectations (TPEs) during classroom observations. Candidates will receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district employed supervisor.

Credit/No Credit only.

EDTL 6511 Fieldwork Experience 1 - Interns/Practitioners/Residents: Single Subject (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of Secondary (Single Subject) teachers in one of the following pathways: intern, practitioner, or residency. Candidates enrolled in Field Experience courses are required to demonstrate understanding of the California Teaching Performance Expectations (TPEs) during classroom observations. Candidates will receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district employed supervisor.

Credit/No Credit only.

EDTL 6512 Seminar 1 - Interns/Practitioners/Residents: Multiple Subjects (1 semester hour)

This course, offered in a seminar format, is designed to align coursework with fieldwork experiences of Elementary (Multiple Subjects) teachers in one of the following pathways: intern, practitioner, or residency. This is achieved through focused discussions, workshops, introduction to edTPA, and drafting of an Individual Development Plan. This course is designed around the needs of the candidates.

Credit/No Credit only.

EDTL 6513 Seminar 1 - Interns/Practitioners/Residents: Single Subject (1 semester hour)

This course, offered in a seminar format, is designed to align coursework with fieldwork experiences of Secondary (Single Subject) teachers in one of the following pathways: intern, practitioner, or residency. This is achieved through focused discussions, workshops, introduction to edTPA, and drafting of an Individual Development Plan. This course is designed around the needs of the candidates.

Credit/No Credit only.

EDTL 6514 Fieldwork Experience 2 - Interns/Practitioners/Residents: Multiple Subjects (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of Elementary (Multiple Subjects) teachers in one of the following pathways: intern, practitioner, or residency. Candidates enrolled in Field Experience courses are required to demonstrate proficiency in the California Teaching Performance Expectations (TPEs) during classroom observations. Candidates will receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district employed supervisor.

Prerequisite: EDTL 6510.

Credit/No Credit only.

EDTL 6515 Fieldwork Experience 2 - Interns/Practitioners/Residents: Single Subject (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of Secondary (Single Subject) teachers in one of the following pathways: intern, practitioner, or residency. Candidates enrolled in Field Experience courses are required to demonstrate proficiency in the California Teaching Performance Expectations (TPEs) during classroom observations. Candidates will receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district employed supervisor.

Prerequisite: EDTL 6511.
Credit/No Credit only.

EDTL 6516 Seminar 2 - Interns/Practitioners/Residents: Multiple Subjects (1 semester hour)

This course, offered in a seminar format, is designed to align coursework with fieldwork experiences of Elementary (Multiple Subjects) teachers in one of the following pathways: intern, practitioner, or residency. This is achieved through focused discussions, workshops, completion of edTPA, and finalizing of an Individual Development Plan. This course is designed around the needs of the candidates.

Prerequisite: EDTL 5612.
Credit/No Credit only.

EDTL 6517 Seminar 2 - Interns/Practitioners/Residents: Single Subject (1 semester hour)

This course, offered in a seminar format, is designed to align coursework with fieldwork experiences of Secondary (Single Subject) teachers in one of the following pathways: intern, practitioner, or residency. This is achieved through focused discussions, workshops, completion of edTPA, and finalizing of an Individual Development Plan. This course is designed around the needs of the candidates.

Prerequisite: EDTL 6513.
Credit/No Credit only.

EDTL 6520 Clinical Supervision 1 - Elementary Student Teachers (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Elementary (Multiple Subjects) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

EDTL 6521 Clinical Supervision 1 - Secondary Student Teachers (1 semester hour)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Secondary (Single Subject) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Credit/No Credit only.

EDTL 6522 Clinical Supervision 2 - Elementary Student Teachers (2 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Elementary (Multiple Subjects) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Prerequisite: EDTL 6520.
Credit/No Credit only.

EDTL 6523 Clinical Supervision 2 - Secondary Student Teachers (2 semester hours)

This course is designed to meet fieldwork requirements and enhance the fieldwork experiences of teacher education candidates in the Secondary (Single Subject) Traditional / Student Teacher pathway. Candidates enrolled in Field Experience courses are required to demonstrate mastery of the California Teaching Performance Expectations (TPEs) during classroom demonstrations. Candidates also receive support through reflective discussions that evolve around events in content classes, field experiences, supervised teaching, and collaboration between the candidates, university personnel, and the district-employed supervisor.

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Prerequisite: EDTL 6521.
Credit/No Credit only.

EDTL 6526 Elementary Teaching Seminar - Student Teachers (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice by candidates in the Elementary (Multiple Subjects) Traditional / Student Teacher pathway. Candidates will be supervised during their full-time student teaching which will take place in one culturally diverse public elementary school. Supervision and support will be provided by a Mentor Teacher and LMU Fieldwork Instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students.

Attendance at weekly seminar is required.
Credit/No Credit only.

EDTL 6527 Secondary Teaching Seminar - Student Teachers (3 semester hours)

This seminar is taken during the final semester of the program, concurrently with the culminating semester of Clinical Practice by candidates in the Secondary (Single Subject) Traditional / Student Teacher pathway. Candidates will be supervised during their full-time student teaching which will take place in one culturally diverse public elementary school. Supervision and support will be provided by a Mentor Teacher and LMU Fieldwork Instructor, while working with individuals, small groups, and the entire class. The seminar will focus on the continued development and support of classroom management, planning, teaching, and assessment strategies that foster academic achievement in all content areas for all students.

Attendance at weekly seminar is required.
Credit/No Credit only.

EDTL 6602 The Context of Schooling (3 semester hours)

This course focuses on the government, political, financial, legal, and historical perspectives of education in the United States. Students are given opportunities to integrate course topics and relate paradigms of education to the welfare of all students in responsible and ethical ways.

EDTL 6603 Curriculum and Instructional Leadership (3 semester hours)

What should students learn and experience in the classroom? Who decides the content and how it should be taught? How will we know that all students have mastered it? From antiquity to the present, human beings have clashed over these fundamental yet highly charged questions regarding the nature of curriculum. Drawing on theory and practice, past and present, this course explores answers to the above questions and looks at the direction of today's education policies and practices, especially with regard to curriculum standards, accountability, and student assessment under No Child Left Behind.

This course replaces and is equivalent to EDES 6103.
Special approval required.

EDTL 6618 Research in Transformative Education (3 semester hours)

This is the capstone course in the Transformative Education program. Students will be expected to complete a research project focusing on transformative education.

Prerequisite: EDTL 6602.

EDTL 6620 Research Project in Transformative Education (1 semester hour)

This course is a continuation of EDTL 6618 (Research in Transformative Education). Candidates focus on collecting and analyzing findings of the research project started in EDTL 6618. In addition to regular class meetings, candidates are expected to meet individually with a faculty advisor to refine and revise the final research project.

Prerequisite: EDTL 6618.

A final research paper, approved by a faculty committee, is required for the course.

EDTL 6630 Technology in Multilingual Settings (3 semester hours)

Offered as an elective, this course emphasizes the use of instructional technologies with multilingual population. Of particular emphasis is the bridging of the Digital Divide, access and equity in technology with diverse populations, and uses of instructional technology within dual language contexts.

This course replaces and is equivalent to EDUR 6324.

EDTL 6631 Learning and Teaching with Technology (3 semester hours)

In this course, constructivism will be explored as a foundation for teaching and learning with technology. The course will explore how technology can be used to promote the notion that students construct knowledge rather than just receive knowledge passively.

This course replaces and is equivalent to EDUR 6327.

EDTL 6632 Survey of Digital Technologies in Education (3 semester hours)

This course explores how different technologies can be used to promote equity in teaching and learning in schools. As technology evolves, candidates study how new forms of technology, beyond the personal computer, can be used for teaching and learning. Candidates will create projects using these new technologies.

This course replaces and is equivalent to EDUR 6328.

EDTL 6651 Theory and Applications in Developmental Reading Instruction (3 semester hours)

This graduate course considers linguistic, physiological, psychological, and cultural concerns, which address the literacy needs of all learners, which include differentiated instruction, Response to Intervention, and literacy techniques for English Language Learners. Approaches, methods, processes, and techniques for teaching literacy skills in grades PK-12 are discussed.

This course replaces and is equivalent to EDES 6001.

EDTL 6652 Assessing the Reading Performance of Struggling Readers (3 semester hours)

Principles of assessment, evaluation, and prognostic procedures in reading. Use of effective formal and informal assessments and evaluation instruments for all students. Communication of assessments results to stakeholders; alignment of assessment with instructional programs.

This course replaces and is equivalent to EDES 6002.

EDTL 6653 Detection and Diagnosis of Literacy Difficulties (3 semester hours)

This course is a study of the detection and diagnosis of literacy difficulties of elementary, middle, and high school students. It includes an introduction and examination of methods and materials best suited for correcting reading deficiencies as well as techniques for promoting better reading, writing and study habits.

This course replaces and is equivalent to EDES 6003.

EDTL 6655 Literacy Curriculum and Design Implementation (3 semester hours)

What should students learn and experience in the classroom? Who decides the content and how it should be taught? How will we know that all students have mastered it? From antiquity to the present, human beings have clashed over these fundamental yet highly charged questions regarding the nature of curriculum. Drawing on theory and practice, past and present, this course explores answers to the above questions and looks at the direction of today's education policies and practices, especially with regard to curriculum standards, accountability, and student assessment under the 2015 Every Student Succeeds Act (ESSA).

This course replaces and is equivalent to EDES 6006.

EDTL 6656 Diagnosis and Intervention in Reading - Practicum I (3 semester hours)

"This practicum includes an in-depth study of prescriptive teaching techniques. Students learn to assess and plan intervention strategies to help develop literacy skills in children who are struggling with the reading process. Included among the techniques are: specific skill and psychological tests, screening tests of vision and hearing, as well as interpreting and writing case studies.

This course replaces and is equivalent to EDES 6356.

Special approval required."

EDTL 6670 Teaching with a Social, Emotional, and Cultural Lens (3 semester hours)

The study of social, emotional, and cultural competencies and their application to the practice of teaching. An overview of social-emotional learning with particular emphasis on culturally responsive pedagogy applicable to the didactic relationship. Candidates are introduced to frameworks that will give them a greater understanding of self and others.

EDTL 6671 Person-Centered Approaches in Education (3 semester hours)

Study and development of helping skills for observation and communication techniques. Coverage includes detailed exposure to Person-Centered listening methods in education with an emphasis on understanding theory and acquisition of basic skills.

EDTL 6701 Infancy (3 semester hours)

This course focuses on the first three years of life. It is designed to provide a broad overview of prenatal, infant, and toddler development. Students will advance their understanding of empirical research, application of theory, and analysis. Specifically, theoretical frameworks and contemporary research that have advanced knowledge of infant and toddler development (prenatal to 3 years of age) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones as they are manifested by infants and toddlers as well as be introduced to specific disorders and delays associated with early childhood development. Students will explore the environmental influences on development such as parenting, poverty, second language acquisition, disability, and policy.

This course replaces and is equivalent to EDES 5401.

Field experience will be required.

Special approval required.

EDTL 6702 Early Childhood (3 semester hours)

This course focuses on theoretical frameworks and contemporary research that have advanced knowledge of the preschool period (ages 2-8 years) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones exhibited by preschoolers. Students will explore the environmental influences on development such as peer relationships, early childhood education experiences, parenting, socialization, poverty, second language acquisition, disability, prejudice, and policy. Research findings and methods will be utilized to study the transition to formal education and literacy development.

This course replaces and is equivalent to EDES 5402.

Field experience will be required.

Special approval required.

EDTL 6704 Child, Family, and Community (3 semester hours)

Students will analyze and interpret current social, cultural, institutional, and psychological factors that influence parents and children including: support systems, family structures, lifestyles, communication, attachment, personality, divorce, single parenting, socioeconomic status, prejudice and discrimination, public policies, physical and mental illness/disability, maltreatment, educational settings, and the media. Core developmental theories and related research findings will be analyzed and explored as they apply to today's world.

This course replaces and is equivalent to EDES 5404.

Special approval required.

EDTL 6705 Early Childhood Ed Prgs & Curr (3 semester hours)

Students will examine the history of early childhood education as well as contemporary program design and philosophy. An analysis of the impact of public policy in the United States on the ECE field will demonstrate the links between government and the family. Students will gain an understanding of implementing philosophy through environmental space planning, program policies, and curriculum design. Developmentally appropriate practice will be analyzed across all groups of children including those with special needs and second language learners. Students will be able to identify multicultural and anti-bias curriculum as well as advance their cultural competence.

This course replaces and is equivalent to EDES 5405.

Field experience will be required.

Special approval required.

EDTL 6900 Educational Studies Capstone Project (3 semester hours)

In this course candidates will integrate his or her individualized program of study into a problem of practice paper that identifies and describes a real-world issue or problem in education. It will require the integration of literature, course material, learning from previous courses as well as life experience and will utilize that information to complete an evidence-based solution to a real-world problem of practice. The final papers will be presented to a panel of faculty and students. Each cohort of candidates taking the capstone course will meet regularly to share the problems and solutions each student is examining in their problem of practice paper; discuss progress, challenges, and questions; and exchange feedback and ideas across a range of issues in education.

This course replaces and is equivalent to EDES 6900.

EDTL 6998 Special Studies (1-3 semester hours)**EDTL 6999 Independent Study (1-3 semester hours)****EDTL 8000 Health Education (1 semester hour)**

This course will introduce health concepts, skills, and behaviors important for today's students to make informed choices. Candidates will be able to gather, interpret, evaluate, and use health information and topics in their future activities as teachers. The course consists of four modules: 1) Overview of the California Health Framework and Consumer and Community Health Resources; 2) Personal Health with a focus on nutrition and tobacco, drugs, and alcohol use; 3) Health choices that impact communicable and chronic diseases; 4) The role of environmental health with a focus on injury prevention and safety.

EDTL 8001 Foundations of Online Teaching (1 semester hour)

This course will introduce educators to pedagogical best practices in online instruction. The course models, embeds and affirms the principles of Universal Design for Learning (UDL). While addressing and facilitating the dynamics of access, equity, and inclusion, UDL supports teachers in making strategic decisions about when and how to utilize both synchronous and asynchronous instruction. As an instructional framework, UDL will establish foundational best practices for setting up learning management systems, developing online classroom culture, and will discuss student safety and citizenship in online settings. Key strategies and technological tools will be introduced that will be immediately applicable to teachers' work in K-12 classrooms.

EDUR 400 Sociocultural Analysis of Education (3 semester hours)

A study of the sociological and anthropological analysis of contemporary education with emphasis on historical and cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, equity, access to the core curriculum, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today so that they are prepared to work with all learners. This course is designed for undergraduates in the traditional and/or blended teacher preparation program.

Sophomore or higher standing required.

University Core fulfilled: Integrations: Ethics and Justice; Flags: Engaged Learning, Oral Skills.

EDUR 498 Special Studies (1-3 semester hours)**EDUR 499 Independent Studies (1-3 semester hours)**

EDUR 5000 Cultural Paradigms of Education (3 semester hours)

A study of the sociological and anthropological analysis of contemporary education with emphases on cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today.

Fieldwork is required.

EDUR 5004 Elementary School Literacy and Language Development (2 semester hours)

The theoretical basis of literacy and approaches, methods, and techniques for teaching literacy skills in diverse urban school settings, will be explored. Training is provided in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students, ELD, and SDAIE. The course will provide students with opportunities to acquire knowledge, skills, and the ability to deliver comprehensible instruction to English Learners and to develop lessons promoting students' access and achievement in relation to state adopted academic content standards. Strategies are grounded in theories of language acquisition and the state standards for English Language Arts.

EDUR 5005 Literacy in the Content Areas (2 semester hours)

This course is designed to develop an understanding of the nature of literacy and how it impacts content area learning. Training is provided in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students, ELD and SDAIE. The course will provide students with opportunities to acquire knowledge, skills, and the ability to deliver comprehensible instruction to English Learners and to develop lessons promoting students access and achievement in relation to state adopted academic content standards. Strategies are grounded in theories of language acquisition.

EDUR 5010 Theories of Teaching, Learning, and Assessment (2 semester hours)

Candidates will be exposed to current theories of teaching, learning, and assessment. Special attention will be given to the practical application of the theories in urban PK-12 school settings.

EDUR 5012 Culture and Language Learning in Urban Education (3 semester hours)

Sociological and anthropological analysis of the role that language and culture play in urban education. Second language acquisition will be explored in depth.

EDUR 5014 Multiple Subjects in Curriculum and Instruction (3 semester hours)

This course covers curriculum and instruction in a multiple subjects classroom. Content includes unit and lesson design in Math, Science, Social Science. Culturally and linguistically diverse student needs will be emphasized.

EDUR 5016 Teaching Students with Special Needs in Urban Education (3 semester hours)

This class will focus on the education of special needs students in urban K-12 classrooms.

EDUR 5018 Research in Urban Education (3 semester hours)

This is the capstone course in the Urban Education program. Students will be expected to complete a research project focusing in urban education.

EDUR 5020 Research Project in Urban Education (1 semester hour)

This course is a continuation of EDUR 5018 (Research in Urban Education). Candidates focus on collecting and analyzing findings of the research project started in EDUR 5018. In addition to regular class meetings, candidates are expected to meet individually with a faculty advisor to refine and revise the final research project.

A final research paper, approved by a faculty committee, is required for the course.

Prerequisite: EDUR 5018.

EDUR 5021 Teaching English Learners (2 semester hours)

Course content includes theoretical perspectives in first and second language learning, language teaching methodologies, assessment, identification, and program placement for Limited English Proficient students. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education, federal, state, and local legislation, bilingual education models, and the role of parents and paraprofessionals in English language development.

EDUR 5022 Transformative Pedagogy (1 semester hour)

Transformative Pedagogy is an online seminar that explores transformative pedagogies of education and their significance for urban schools. Through conceptual and practical knowledge development, intern teachers learn how to integrate transformative pedagogies into their own teaching practices. They also develop and critically construct their personal philosophy on teaching. Candidates are also introduced to components of on-line and blended instruction so that they may critically examine how digital technologies impact teaching and learning.

EDUR 5023 Introduction to Teaching and Learning (3 semester hours)

This course is for credential candidates who will be the teacher of record in a public or private school classroom. Candidates complete this course in the semester prior to the full-time teaching assignment. Seminars will focus on effective classroom practice and teaching, reflective problem-solving, introductory practices for Literacy, and an introduction to human development (including learning theories which impact social and emotional development). Candidates are provided with experiences that will help them become prepared to teach while continuing to study for the California teaching credential. Candidates will be expected to develop skills related to classroom management, lesson planning, instructional strategies, and data driven assessment. Candidates must have access to a field placement during the class.

EDUR 5024 Critical Issues in Education (3 semester hours)

A sociological and anthropological analysis of contemporary education emphasizing the historical/cultural context, culturally responsive pedagogy, cultural and ethnic diversity, equity, access to the core curriculum, and intersectionality in schools and society. Candidates discuss factors which impact education including various learning needs and stages of human development as it relates to culture. This class also addresses theoretical perspectives on the language learning experience of English learners. The course emphasizes the preparation of professionals for the teaching profession and their awareness of social, systemic, and cultural forces shaping schooling today so that they are prepared to work with all learners, take a critical, active stance, collaborate with community, and make an impact on educational opportunity gaps.

EDUR 5025 Introduction to Elementary Methods and Literacy (3 semester hours)

This course is designed to provide opportunities for elementary intern teachers to identify, experience, and describe current best practice pedagogy for multiple content areas in elementary classrooms. Because literacy is a foundational component of elementary education, the course is based on a progression of English Language Arts development with the integration of other disciplines including mathematics, social studies, science, the arts, physical education, and technology. Candidates will explore topics including classroom culture and management, inquiry in teaching and learning, differentiation, thematic unit and lesson planning, student engagement, and assessment for/as learning. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Course content is connected to culturally and linguistically diverse students in urban education settings, 21st century teaching and learning, and special population needs so interns can teach in fully inclusive urban classrooms. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5026 Development of Elementary Methods and Literacy (3 semester hours)

This course is a continuation of the Introduction to Elementary Methods course. It is designed to provide opportunities for elementary intern teachers to utilize current best practice pedagogy and create educational opportunities in multiple content areas in elementary classrooms. Because literacy is a foundational component of elementary education, the course is based on a progression of English Language Arts development with the integration of other disciplines including mathematics, social studies, science, the arts, physical education, and technology. Candidates will implement their knowledge of topics including classroom culture and management, inquiry in teaching and learning, differentiation, thematic unit and lesson planning, student engagement, and assessment for/as learning. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Course content is connected to culturally and linguistically diverse students, 21st century teaching and learning, and special population needs so interns can teach in fully inclusive classrooms. Work completed for this course is expected to align with candidates' day-to-day teaching experience.

Prerequisite: EDUR 5025.

EDUR 5027 Introduction to Assessment (1 semester hour)

The seminar style course will assist candidates in the area of evidence-based inquiry with the support and advice of their fieldwork and course instructors. This class will focus on effective approaches in assessment and learning in an inquiry-based classroom. It will include inclusive approaches to engage diverse students and will use critical pedagogy as the theoretical foundation. Candidates will utilize the Universal Design for Learning (UDL) framework and work of Rick Wormeli as a foundation to meet the course outcomes. Candidates will be familiar with several key tenets and types of assessment for students learning in an urban setting. Candidates will be familiarized with literacy assessments to develop RICA test preparation knowledge. This course will require active online and in-class assignments, discussions, and participation.

EDUR 5028 Advanced Assessment for Teachers (1 semester hour)

This advanced assessment seminar style course is a continuation of Introduction to Assessment as it provides evidence-based inquiry with the support and advice of their fieldwork and course instructors. Candidates in this course will critically reflect on the theory and practice of teaching and learning, as well as explore best practices in urban education. The focus of the course will be dedicated to improving teaching practice, with evidence-based inquiry as a cornerstone in the development of each candidate's practice. Candidates will reflect on their teaching experience over the past year culminating in the submission of the REAL e-portfolio. This course will require active online and in-class assignments, discussions, and participation.

Prerequisite: EDUR 5027.

EDUR 5029 Introduction to Secondary Mathematics and Literacy (2 semester hours)

Candidates will learn how to design, deliver, and assess mathematics instruction for all students in grades 6-12. This course focuses on creating learning experiences in mathematics that are active, connected, sensory, emotional, and center on problem solving and communication as fundamental to learning mathematics. Candidates learn how to teach mathematical thinking through the eight Common Core Standards for Mathematical Practices within the context of storytelling and the engineering design process. Candidates learn how to engineer high impact instruction through the Mathematics Learning by Design (MLD) five instructional moves (lesson cycle) and a unique grading system that supports assessment as learning for all students, including English Learners (EL) and students with disabilities (SN). Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5030 Advanced Secondary Mathematics and Literacy (2 semester hours)

Candidates will learn how to coach students in developing the mathematical reasoning and procedural skills needed to design creative solutions to complex problems. The course includes inclusive approaches to engage diverse students and will use the Universal Design for Learning (UDL) framework and the National Council of Teachers of Mathematics (NCTM) Principles to Actions framework as a foundation to meet the course outcomes. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Further, candidates in this course will critically reflect on the theory and practice of mathematical literacy. The focus of the course will be dedicated to improving mathematical teaching practice, with student evidence analysis as a cornerstone in the development of each candidate's practice. Through this course, candidates will be provided the tools and practice to successfully complete the edTPA and the culminating REAL e-portfolio. This course will require active online and in-class assignments, discussions, and participation.

Prerequisite: EDUR 5029.

EDUR 5031 Introduction to Approaches to Teaching Science and Literacy (2 semester hours)

This one semester course introduces candidates to teaching secondary science using an inquiry approach by integrating the three dimensions: Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas (NRC, 2012) with literacy, in an effort to meet the performance expectations outlined in the Next Generation Science Standards (NRC, 2013). The emphasis of the course is how to teach science; methods for long and short range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for all learners. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5032 Contemporary Approaches to Teaching Science and Literacy (2 semester hours)

This one semester course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing effective secondary science instruction for all students. Candidates will utilize the 5E model to plan instruction, link scientific knowledge to instructional pedagogy, integrate literacy instruction, effectively engage students through inquiry and science phenomena, design measurable learning objectives that drive instruction, and create/implement formative and summative assessments. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Candidates in this course will critically reflect on the theory, practice and impact of science literacy. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork.

Prerequisite: EDUR 5031.

EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy (2 semester hours)

This course introduces teaching techniques, innovations, and development of teaching and evaluation skills in the area of secondary school social studies. The emphasis of the course is how to teach social studies, as well as some theoretical exploration of the history, purposes, and direction of social studies. Students will learn, practice, and reflect on the technical aspects of the art and science of teaching social studies, including the adaptation of instruction to individual learner differences, and selection and design of instructional materials. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy (2 semester hours)

This course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing successful social studies learning experiences for students. This is the second semester of a year-long methods course. This semester we will examine the following areas of social studies education through the lens of historical content: standards and accountability, curriculum/unit/lesson planning and delivery, contemporary inquiry-oriented approaches for teaching social studies, assessment in the social studies and multiculturalism. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5033.

EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting (2 semester hours)

This course will include a variety of teaching strategies for teaching ELA in typical departmentalized settings in Middle and Secondary schools. Students in the course will participate in whole class discussions, in and out of class evaluations of contemporary ELA teaching and learning, and the design of materials and approaches for teaching contemporary ELA. The instructor for the course will facilitate these activities and provide formative assessment feedback for each student. Each class will include in-depth discussions and all classes will require the use of technology. The class will be facilitated using web-based resources. The instructor will facilitate student work on individual class projects via email communication, online discussion forums, and synchronous video conferencing and in person class meetings. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for students in ELA focusing on reading, writing, speaking, and listening.

EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching ELA in a departmentalized setting. The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts. Candidates will learn how to select appropriate teaching strategies to develop students' abilities to read and comprehend narrative and information texts. Candidates will also model and assist student to integrate technology and media into language arts when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5035.

EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting (2 semester hours)

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for World Languages and the English Language Development standards. Candidates learn how to integrate the target culture in their instruction. Major themes include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; the nature of language, including basic linguistics. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state adopted academic content standards for World Languages focusing on reading, writing, speaking, and listening.

EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching World Languages in a departmentalized setting. The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts in the target language. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist students to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5037.

EDUR 5039 Introduction to Teaching Physical Education in a Departmentalized Setting (2 semester hours)

This course covers Physical Education programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Physical Education, including the Common Core. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Physical Education.

EDUR 5040 Contemporary Approaches to Teaching Physical Education in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Physical Education in a departmentalized setting. The focus of this class will be on strategies that help students to develop a disposition towards a healthy lifestyle including problem solving barriers to physical activity participating throughout life. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5039.

EDUR 5041 Introduction to Teaching Industrial and Technology Education in a Departmentalized Setting (2 semester hours)

This course covers Industrial Technology Education programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Industrial Technology Education, including the Common Core. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5042 Contemporary Approaches to Teaching Industrial & Technology Education in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Instructional Technology in a departmentalized setting. The focus of this class will be on strategies that help students understand and use the design process as a problem-solving model. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and to develop an understanding of the real world applications of technology with the goal of providing a foundation for IT related career choices. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5041.

EDUR 5043 Introduction to Teaching Music in a Departmentalized Setting (2 semester hours)

This course covers Music programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Music, including the Common Core. Candidates learn strategies for teaching music theory and analysis including transcription of musical excerpts. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5044 Contemporary Approaches to Teaching Music in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Music in a departmentalized setting. The focus of this class will be on strategies that help students to sight-sing, sight-read, improvise, compose, and arrange music using Western and non-Western works. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their instruction when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5043.

EDUR 5045 Introduction to Teaching Health Science in a Departmentalized Setting (2 semester hours)

This course covers Health Science programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Health Science, including the Common Core. Topics include coordinated health school systems, positive youth development and resiliency, personal health, and resiliency. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

EDUR 5046 Contemporary Approaches to Teaching Health Science in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Health Sciences in a departmentalized setting. The focus of this class will be on strategies that help students identify behaviors that enhance or compromise personal health and well-being. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5045.

EDUR 5047 Introduction to Teaching Art in a Departmentalized Setting (2 semester hours)

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for Art and the English Language Development standards. Candidates learn strategies that model and encourage student creativity, flexibility, collaboration and persistence in solving artistic problems. Candidates also learn how to teach students about the cultural contribution of Art. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Art.

EDUR 5048 Contemporary Approaches to Teaching Art in a Departmentalized Setting (2 semester hours)

This course builds on knowledge established in the introductory course on teaching Art in a departmentalized setting. The focus of this class will be on strategies that help students to produce various Art pieces including painting, sculpture, textile arts, and multimedia. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5047.

EDUR 5051 Urban Education Field Experience 1 (2 semester hours)

This fieldwork course is intended to provide support for classroom instructional practice for Urban Education credential candidates who are employed as full-time teachers. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements. Candidates will also be expected to demonstrate competencies tied to content classes during the field experience. Candidates will be evaluated by both LMU and qualified district employed personnel.

Credit/No Credit only.

EDUR 5052 Urban Education Field Experience 2 (2 semester hours)

This fieldwork course is a continuation of Field Experience 1 as it provides continual support for classroom instructional practice for Urban Education credential candidates who are employed as full-time teachers. Teachers will be required to continually demonstrate professional competencies as outlined by LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements. Candidates will be evaluated by both LMU and qualified district employed personnel as in the Field Experience 1. They will participate in online modules to ensure their preparedness and the successful submission of their portfolio.

Prerequisite: EDUR 5051.

Credit/No Credit only.

EDUR 5501 Practicum: Educational Practices in Action in Secondary Math and Science Classrooms (3 semester hours)

Candidates learn how to consistently strategically apply math or science teaching practices that involve students as active participants in the assessment process where both become advocates for student learning and achievement needs.

Permission of Coordinator required.

EDUR 5503 Practicum: Differentiated Education in Action in Secondary Math/Science Urban Education (3 semester hours)

Candidates learn how to consistently strategically apply math or science teaching practices that involve students as active participants in the assessment process where both become advocates for student learning and achievement needs.

Permission of Coordinator required.

EDUR 5504 Differentiated Education in Secondary Math/Science Urban Education (3 semester hours)**EDUR 5505 Research-Supported Math/Science Practices in Urban Education (3 semester hours)**

This course helps candidates design and implement a mathematical or scientific learning environment that builds on the strengths that students bring to the teaching/learning process and reverses the achievement gap between subgroups within a school.

Permission of Coordinator required.

EDUR 5580 Teaching Mathematics and Science in Urban Schools (3 semester hours)

Candidates learn how to implement instruction that reverses the achievement gap and improve student engagement and achievement in mathematics or science by engaging students in a learning culture that values mathematical and scientific thinking.

EDUR 5581 Mentorship in Math and Science Education (3 semester hours)

This course is designed to build authentic and trusting relationships that value a teacher's paradigm within the context of expected exceptional practice aligned with effective students learning. The use of data to create and move through disequilibrium to strengthen student learning of math or science will be discussed.

EDUR 5582 Collaboration in Math and Science Education (3 semester hours)

Candidates learn how to design, plan, and implement a learning environment based on cooperative planning, constant collaboration, close unity, unrestrained communication, and sincere sharing. Candidates learn how to collaborate on learning, risk-taking, innovation, and change within the context of interdependence.

Permission of Coordinator required.

EDUR 5583 Mentorship Math/Sci Educ (3 semester hours)

This course is designed to build authentic and trusting relationships that value a teacher's paradigm within the context of expected exceptional practice aligned with effective student learning. The use of data to create and move through disequilibrium to strengthen student learning of math or science will be discussed.

Permission of Coordinator required.

EDUR 5998 Special Studies (1-3 semester hours)**EDUR 5999 Independent Studies (1-3 semester hours)****EDUR 6100 Anthropological Analysis of Cultural Diversity (3 semester hours)**

An in-depth study of cultural diversity using methods from educational sociology and anthropology. The course will examine the major theoretical models advocating responses to cultural diversity and their practical implications for education. Themes/issues covered: contemporary demographics, genetic and cultural deficit theory, cultural mismatch theory, cultural ecological theory, sociocultural theory (neo-Vygotskian) and culturally responsive instruction, multicultural education and intercultural communication, critical pedagogy, and qualitative evaluation.

EDUR 6102 The Context of Schooling (3 semester hours)

This course focuses on the governmental, political, financial, legal, and historical perspectives of education in the United States. Students are given opportunities to integrate course topics and relate policy initiatives to the welfare of all students in responsible and ethical ways. School governance and management of human and fiscal resources in culturally diverse settings are stressed.

EDUR 6221 Methodology in English Language Development and Specially Designed Academic Instruction in English (3 semester hours)

The goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs). Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills for English Learners. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose student's language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards.

EDUR 6222 Applied Linguistics: A Second Language Acquisition/Bilingual Instructional Perspective (3 semester hours)

This course provides the linguistic foundations for language educators from an instructional perspective. English language systems and the use and variations of the English language in social/linguistic contexts are closely examined. Students will be able to integrate pedagogical approaches to the principles of the language systems in teaching ELLs and assessing their interlanguage development. Topics of emphasis: phonology, grammar, lexicon, discourse analysis, pragmatics, sociolinguistics, and contrastive analysis.

EDUR 6252 Secondary School Curriculum and Methods for Language Arts and Social Studies (3 semester hours)

Objectives, methods, materials, and problems involved in teaching language arts and social studies in the secondary schools. Explores methods of long and short range planning, course overview, unit plans and lesson planning. Presents alternative strategies of instruction and methods of diagnosing needs and evaluating learning. Current approaches to classroom discipline, management, and organization are studied.

EDUR 6324 Technology in Multilingual Settings (3 semester hours)

Offered as an elective, this course emphasizes the use of instructional technologies with multilingual population. Of particular emphasis is the bridging of the Digital Divide, access and equity in technology with diverse populations, and uses of instructional technology within dual language contexts.

EDUR 6327 Learning and Teaching with Technology (3 semester hours)

In this course, constructivism will be explored as a foundation for teaching and learning with technology. The course will explore how technology can be used to promote the notion that students construct knowledge rather than just receive knowledge passively.

EDUR 6328 Survey of Digital Technologies for Urban Education (3 semester hours)

This course explores how different technologies can be used to promote equity in teaching and learning in urban schools. As technology evolves, candidates study how new forms of technology, beyond the personal computer, can be used for teaching and learning. Candidates will create projects using these new technologies.

EDUR 6329 Assistive Technology (3 semester hours)

Students with special needs benefit the most from the use of technology for teaching and learning. In this course, candidates learn the principles of universal design for learning, review federal and state laws regarding the education of students with special needs, and the use of appropriate technology to promote high standards for all students.

EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning (3 semester hours)

This course will focus on evidence-based assessment practices of students with exceptional needs. It will build candidate competency in determining student progress towards content standards; use of instructional strategies and techniques to support learning; and how to use, interpret, understand, and communicate informal/formal assessment results.

Special Education Program only.

EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments (3 semester hours)

This course will address critical areas of instructional decision making while focusing on evidence-based language and literacy instruction that builds upon the cultural and linguistic backgrounds of students with learner variability in K-8 environments.

Special Education Program only.

EDUR 6602 Language and Literacy in Culturally and Linguistically Diverse Secondary Settings (3 semester hours)

This course will address critical areas of instructional decision making while focusing on evidence-based language and literacy instruction that builds upon the cultural and linguistic backgrounds of students with learner variability in secondary school environments.

EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning (3 semester hours)

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in creating and maintaining environments for diverse learners that are safe and effective and that also facilitate positive self-esteem and self-advocacy and maximize instructional time. In addition, the candidate will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory.

Special Education Program only.

EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) (3 semester hours)

This course is designed to provide a foundation for candidates to effectively plan, implement, and evaluate instructional programs in Math, STEM, and Social Studies that are informed by CA K-12 content standards and frameworks, with focus on assessment and ELD/SDAIE strategies in elementary settings that are responsive to the needs of diverse populations and environments.

Special Education Program only.

EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) (3 semester hours)

This course is designed to provide a foundation for candidates to effectively plan, implement, and evaluate instructional programs in Math, STEM, and Social Studies that are informed by CA K-12 content standards and frameworks, with focus on assessment and ELD/SDAIE strategies in secondary settings that are responsive to the needs of diverse populations and environments.

Special Education Program only.

EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling (3 semester hours)

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel to promote partnerships and inclusive practices, including co-planning/co-teaching with general educators. The candidate will learn how to work in partnership and be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

Special Education Program only.

EDUR 6607 Developing as a Professional Educator (2 semester hours)

This course is designed to provide critical content related to professional, legal, and ethical obligations as an educator of students with exceptionalities. Candidates will use reflection and feedback to formulate and prioritize goals for increasing their subject matter knowledge and teaching effectiveness. They develop appropriate plans for professional growth in subject matter knowledge and pedagogy. This course will be offered online.

Special Education Program only.

EDUR 6613 Special Education Intern Seminar 1 (2 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher. This course is designed around the needs of the candidates.

Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDUR 6614 Special Education Intern Fieldwork 1 (1 semester hour)

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDUR 6615 Special Education Intern Seminar 2 (2 semester hours)

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher. This course is designed around the needs of the candidates and is a continuation of EDUR 6613.

Prerequisite: EDUR 6613.
Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDUR 6616 Special Education Intern Fieldwork 2 (1 semester hour)

The fieldwork courses are intended to provide support for classroom instructional practice for teacher candidates. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements.

Prerequisite: EDUR 6614.
Interns and Teacher Practitioners only.
Credit/No Credit only.
Special approval required.

EDUR 6955 Master's Thesis I (1 semester hour)

This course is intended for students working on a master's thesis. The committee chair provides ongoing support for the master's thesis.

Credit/No Credit only.

EDUR 6956 Master's Thesis II (1 semester hour)

A continuation of Master's Thesis I for students who have not completed their master's thesis.

Credit/No Credit only.
Special approval required.

EDUR 6957 Master's Thesis III (1 semester hour)

A continuation of Master's Thesis II for students who have not completed their master's thesis.

Credit/No Credit only.

Special approval required.

EDUR 6960 Introduction to Teaching and Learning (3 semester hours)

This course is for candidates who are employed as full-time teachers either in a private/parochial setting or with an emergency permit or intern credential in a public school. This prerequisite should be one of the first courses in the combined master's/teaching credential program sequence. Seminars focus on analysis of effective classroom practices and problem solving. Initial on-site assessment will be made by a university supervisor as to professional competency in all phases of the multiple or single subject credential program. Areas for professional growth and development are identified and addressed individually through portfolio assessment. Candidates must submit a school site supervisor/mentor contract agreement. Additionally, for private/parochial school teachers, this course requires 30 hours of public school observation/participation and a comprehensive journal. Application for fingerprint clearance must be submitted by private/parochial teachers immediately upon enrollment in this course.

Special approval required.

EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching (3 semester hours)

This course is for candidates who are employed as full-time teachers either in a private/parochial setting or with an emergency permit or intern credential in a public school. This could be the last course in the combined Masters/teaching credential program sequence. Supervised field experience, portfolio assessment of personal growth, development, problem solving and documentation of teaching competencies will be completed during this course. Candidates must submit a school site supervisor/mentor contract agreement. Additionally, for private/parochial school teachers, this course requires 30 hours of public school observation/participation and a comprehensive journal. The EDUR 6960/6961 course sequence meets the California State requirement of student teaching for multiple and single subject credential candidates. Only one other course may be taken during the semester of fieldwork supervision.

Prerequisites: EDUR 6960, all professional education courses in program sequence, including Health Education (EDES 8000), formal documentation of completed subject matter competency, and passage of all appropriate examinations.

Special approval required.

EDUR 6963 Seminar in Advanced Teaching Methodologies (3 semester hours)

Candidates build on the material that was learned in the methodology course for the teaching credential program. In this course, candidates are presented with more strategies that promote high standards for all students. The theories behind these strategies are also discussed.

EDUR 6968 Action Research in Urban Education (3 semester hours)

In this course, candidates will learn how to use self-reflection to improve their practice as urban classroom teachers. Using real classroom experiences, candidates will learn how to systematically and collaboratively identify a problem, collect data, and evaluate solutions. Emphasis is placed on journal writing, observation skills, and methods for sharing the action research project. Case studies will be examined, and candidates will create an action research project in an urban education setting.

EDUR 6995 Comprehensive Examination (0 semester hours)

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program.

Credit/No Credit only.

Special approval required.

Fee required.

EDUR 6998 Special Studies (1-3 semester hours)**EDUR 6999 Independent Studies (0-3 semester hours)****EECE 2100 Circuits I Lab (1 semester hour)**

Laboratory experiments on electric circuits. This is a companion laboratory course to the course EECE 2110 Circuits I.

Prerequisite: EECE 2110, can be taken concurrently.

Electrical/Computer Engineering and Applied Physics Majors only.

EECE 2110 Circuits I (3 semester hours)

Introduction to the principles of electric circuit analysis, DC, AC, transient and steady-state response of electric circuits; operational amplifiers; electric power.

Prerequisite: MATH 131.

Electrical/Computer Engineering and Applied Physics majors only.

EECE 2210 Circuits II (4 semester hours)

Second-order circuits; three-phase circuits and power; magnetically coupled circuits; response of frequency-dependent systems; Laplace transform and its circuits application; introduction to Fourier analysis; two-port networks.

Prerequisite: EECE 2110; MATH 246 or concurrent enrollment.

Electrical Engineering, Computer Engineering, or Applied Physics majors only.

EECE 2212 Engineering Probability and Statistics (2 semester hours)

This course introduces the fundamentals of probability and statistics theory. Topics include set operations, probability theorems, Bayesian probability, CDF, PDF, and PMF of random variables, multi-variate random variables, joint distributions, Gaussian random variables, central limit theorem, samples and sampling distributions, parameter estimation, maximum likelihood estimation, confidence interval.

Prerequisite: MATH 132.

Electrical/Computer Engineering majors only.

EECE 2220 Instrumentation and Measurement (4 semester hours)

Introduction to the principles of electric circuit analysis in DC, principles of AC that apply to instrumentation, electric power, electric sensors, instrumentation amplifiers and applications, data acquisition, basic microcontroller programming. Laboratory exercises focused on troubleshooting and analyzing circuits for measurement and data acquisition using oscilloscopes and microcontrollers.

Prerequisite: MATH 131.

Corequisite: MECH 2200.

Mechanical Engineering majors only.

EECE 2240 Introduction to Digital Systems (4 semester hours)

This course introduces the student to the design and analysis of digital systems. The topics covered include: number systems, Boolean algebra, combinational and sequential logic design, minimization and analysis techniques as well as basic computer architecture.

Electrical/Computer Engineering, Mechanical Engineering, and Applied Physics majors only.

EECE 2242 Logic and Computer Design (4 semester hours)

A study of computer architecture including the design and analysis of functional computer subsystems. Machine instructions and instruction formats, assemblers and assembly languages. Various microarchitectures are compared and contrasted. Advanced topics in pipelining, micro-coding, cache memory, virtual memory and I/O systems are introduced.

Prerequisite: CMSI 2210 and either CMSI 2820 or MATH 266 (both of which can be taken concurrently).

Computer Science majors only.

EECE 2998 Special Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 2999 Independent Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 3100 Junior Lab I (4 semester hours)

Introduction to the use of contemporary lab equipment and techniques of measurement and experimentation; introduction to technical report writing; class is used to provide a laboratory experience related to sophomore and junior level courses.

Prerequisites: EECE 2210, EECE 2240, EECE 3130 or concurrent enrollment.

Electrical Engineering, Computer Engineering, or Applied Physics majors only.

EECE 3130 Electronics (4 semester hours)

This course provides the fundamentals of semiconductor devices and their applications in electronic circuits. Topics include diodes and their applications, transistors and their applications in operational amplifiers, feedback techniques and feedback stability. It provides the introduction to engineering design methods utilized in the synthesis of contemporary analog electronic circuits including extensive use of CAD tools.

Prerequisite: EECE 2210.

Electrical Engineering, Computer Engineering, or Applied Physics majors only.

EECE 3140 Microprocessor and Microcontroller Systems (4 semester hours)

This course introduces the student to the basic concepts in the design and organization of microprocessor/microcontroller systems. The student will learn assembly and C programming languages for solving applications and interfacing with peripheral devices.

Prerequisite: EECE 2240 or EECE 2242.

Electrical/Computer Engineering, Mechanical Engineering, Applied Physics and Computer Science majors only.

EECE 3200 Junior Lab II (4 semester hours)

This course is a continuation of EECE Junior Lab I with emphasis on design of both analog and digital systems. It also introduces design, programming, implementation, and testing of microcontroller-based systems.

Prerequisites: EECE 3100, EECE 3140, EECE 3210 or concurrent enrollment.

Electrical Engineering and Computer Engineering majors only.

EECE 3210 Signals and Linear Systems (4 semester hours)

Time and frequency domain analysis of continuous and discrete-time signals and systems; Laplace transform, Z-transform, and Fourier transforms; sampling theorem; applications to communications: amplitude modulation, angle modulation, PCM; state variable analysis and feedback control.

Prerequisites: EECE 2210.

Electrical Engineering, Computer Engineering, and Applied Physics majors only.

EECE 3220 Electromagnetics (4 semester hours)

Review of vector analysis, fundamental laws in electromagnetics, solution of basic electrostatic and magnetostatic problems, introduction to Maxwell's equations, wave propagation, partial differential equations and boundary value problems with emphasis on wave equations, transmission line theory.

Prerequisites: MATH 234, PHYS 2100.

Electrical Engineering majors only.

EECE 3998 Special Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 3999 Independent Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 4100 Senior Lab I (4 semester hours)

Students will be introduced to design methodology and information literacy by means of the senior project. Student teams will be responsible for proposing a project and initiating its execution. Students will also develop professional project-oriented skills, including understanding the customer, requirements definition, communication, team management, creative problem solving, interpersonal management and leadership skills.

Prerequisite: EECE 3200.

Corequisite: EECE 4280.

Electrical Engineering and Computer Engineering majors only.
University Core Fulfilled: Engaged Learning Flag

EECE 4110 Analog and Digital Communication Systems (4 semester hours)

This course is divided into four main parts. The first one is an introduction to the analysis of digital communication systems. The second part is an introduction to the theory of probability, random processes, and spectral analysis. The third part builds on this theory in order to perform the analysis of analog and digital communication systems. Finally, the fourth part is an introduction to information theory and channel coding. The detailed topics covered in each part and the corresponding number of class lectures are as follows.

Prerequisite: EECE 3210.

Electrical/Computer Engineering majors only.

EECE 4200 Senior Lab II (4 semester hours)

This course is a continuation of the senior projects initiated in EECE 4100 Senior Lab I. Students will continue to apply design methodology and develop professional skills including communication, team management, creative problem solving, and interpersonal-management and leadership skills. Senior projects are used to apply these professional skills to the solution of a design problem. Periodic design reports and design reviews are presented to, and critiqued by faculty and industry customer.

Prerequisite: EECE 4100.

Electrical Engineering and Computer Engineering majors only.

EECE 4280 Senior Seminar (1 semester hour)

This course will cover ethics in engineering and invite speakers from industry partners to give presentations to the graduating class on various topics including but not limited to ethics and technology.

Corequisite: EECE 4100.

Electrical Engineering and Computer Engineering majors only.

EECE 4998 Special Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 4999 Independent Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 5120 Microwave Engineering and Antennas (4 semester hours)

Studies of the theories of microwave engineering and antennas for applications in high-frequency systems and wireless communications. Topics include fundamental electromagnetic theories, waves and propagation, microwave circuit theory, transmission lines, waveguides, scattering parameters, ABCD parameters, network analysis, impedance transformation and matching, radiation, antenna characteristics such as radiation pattern, directivity, gain, input impedance, polarization, effective area, bandwidth, and antenna temperature, Friis transmission equation and radar range equation, typical antennas such as line, loop, microstrip, horn, and reflector antennas, antenna arrays and mutual coupling. Use of EDA software for analysis and design of high-frequency devices will be included.

Prerequisite: EECE 3220.

EECE 5140 Computer Architecture with VHDL (4 semester hours)

Students will first be introduced to the organization, functionality, and operation of hardware and instruction sets of modern microprocessor systems. Students will then design computing systems that meet desired functionalities. Finally, students will be introduced to VHDL to implement the designed computer architectures. Topics include memory systems, pipelining, instruction-level parallelism, and multicore processors.

Prerequisite: EECE 3140.

EECE 5141 Embedded Systems (4 semester hours)

Introduction to the design and analysis of computational systems that interact with physical processes. Case studies and applications in selected areas such as medical devices and systems, consumer electronics, toys and games, assisted living, traffic control and safety, automotive systems, process control, energy management and conservation, environmental control, aircraft control systems, communication systems, defense systems, manufacturing, and smart structures.

Prerequisite: EECE 3140.

EECE 5150 Machine Learning (4 semester hours)

Fundamental mathematical concepts of data science and their implementation in various programming languages. Methods for obtaining and massaging data. Data life cycle, optimization, cost functions, and stochastic gradient descent.

Prerequisite: MATH 246.

EECE 5160 Optical Engineering (4 semester hours)

The objective of this course is to study the fundamentals of photonics. The concepts that are covered in the course include basics of optical science, ray optics, wave optics, beam optics, Fourier optics, electromagnetic optics, polarization of light, guided wave optics, fiber optics, and electro-optics. The applications studied in the course include design of free space optical imaging systems, design of optical waveguides, optical computing, optical sensing, etc. Students also have two workshops on two software packages used in industry to design optical systems.

Prerequisites: EECE 3130, EECE 3210.

EECE 5210 Random Processes (4 semester hours)

Studies of the fundamental theories of probability, random variables, and stochastic processes at a level appropriate to support graduate coursework/research and practice in the industry in electrical and computer engineering. Selected topics include basic probability concepts, total probability and Bayes theorems, independence, probability functions, expectation, moments of random variables, multiple random variables, functions of random variables, central limit theorems, basic stochastic process concepts, wide-sense stationary processes, autocorrelation function, power spectral density, and important processes such as Gaussian, Markov, and Poisson. Applications of the theories to engineering and science problems will be emphasized. Both analytical study and simulation work will be carried out.

Prerequisite: EECE 4110 or permission of instructor.

EECE 5211 Digital Signal Processing (4 semester hours)

The representation, analysis, and processing of discrete signals are discussed. Topics include sampling, quantization, Z-transform of signal, discrete Fourier and fast Fourier transforms, analysis and design of digital filters, and spectral estimation of random digital signals.

Prerequisite: EECE 3210.

EECE 5240 Digital System Design with VHDL (4 semester hours)

Computer aided design of digital VLSI (Very Large Scale Integrated) systems using Very High Speed Integrated Circuits (VHSIC) Hardware Description Language (VHDL).

Prerequisite: EECE 3140.

EECE 5241 Introduction to Digital VLSI Design (4 semester hours)

Custom and semi-custom design of VLSI circuits using standard cells, design methodologies of advanced complementary metal-oxide-semiconductor (CMOS) circuits, and simulation of designed circuits will be emphasized. At the end of the semester, circuits designed by the students will be sent for fabrication and tested by the students for functionality.

Prerequisite: EECE 3140.

EECE 5270 Wireless Networks (4 semester hours)

This course is an introduction to wireless networks. It is divided into three main parts: wireless communications, computer networking, and wireless networking. The focus is on wireless networking mainly, which covers cellular networks and wireless local area networks. Students will understand the fundamental theories of transmission, antennas, and propagation, be able to identify the sources of received-signal impairments in wireless communication systems, be able to design basic bit and packet error detection and correction techniques, understand the protocol stack in packet-switched networks, and be able to identify the appropriate protocol standards and corresponding wireless-network technologies according to given application scenarios.

EECE 5998 Special Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 5999 Independent Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 6110 Digital Image Processing (4 semester hours)

This course covers the basic and advanced topics related to the techniques and applications of digital image processing (DIP). Topics include DIP fundamentals; edge detection; object shape recognition and classification. Upon completion of this course, the student will learn fundamental theories of digital image processing, practical algorithms of digital image enhancement, recognition and retrieval, and programming skills needed for implementation of DIP algorithms.

Graduate standing required.

EECE 6111 Information Theory and Coding (4 semester hours)

The concepts of information measures and channel capacity are introduced. The applications of Shannon theory to evaluate the effectiveness of practical communication links is developed. Error correction coding and its application in reliable communications are emphasized in this class.

Prerequisite: EECE 5210.

Graduate standing required.

EECE 6112 Optimization Techniques in Signal Processing (4 semester hours)

An introduction to the theory, analysis, and design of optimal signal processing systems in both discrete and continuous time. Topics include spectral factorization, least-mean-square theory and estimation algorithms, linear signal estimation, Wiener and Kalman filtering, linear prediction, spectral estimation, and matched filtering. Access to computer with MATLAB, Python, C/C++, or other high level language compiler for assignments is required.

Graduate standing required.

EECE 6140 Digital VLSI Design (4 semester hours)

Topics in computer-aided design of digital VLSI systems. Topics include: custom and semi-custom design, design methodologies of advanced CMOS circuits, and simulation of designed circuits. Circuits designed will be fabricated for testing by student.

Prerequisite: EECE 5241.

Graduate standing required.

EECE 6150 Machine Learning (4 semester hours)

Machine Learning (ML) amounts to the ability to recognize and react to new patterns of data more or less automatically. In this course, students are introduced to the concepts and methods of ML and tools and technologies that can be used to implement and deploy ML solutions. We will cover methods for supervised ML, whereby human beings are able to guide learning algorithms to improve their effectiveness through feedback and guidance, and unsupervised ML, which is essentially the ability to process data patterns without any examples of what one is looking for. Students will learn to work with the language R, which is rapidly becoming the lingua-franca for data science and ML. We will work through many ML problems in real-world situations, and see how R can be used to implement a solution. We cover many areas of ML application such as spam filtering, pharma, healthcare, and stock market.

Graduate standing required.

EECE 6170 Internet of Things (4 semester hours)

This course provides an overview of the IoT ecosystem and how value is created with IoT products. It is an introduction to key IoT concepts and technologies and a survey of important IoT companies and their products. Students will learn how to turn ideas into new products that create value for customers. Students will also learn how to work together in cross functional teams, deal with fast, ambiguous, and rapidly changing projects. In addition, students will learn to identify and resolve cybersecurity threats in IoT solutions.

Graduate standing required.

EECE 6210 Motion Capture Laboratory (4 semester hours)

Students will learn how to set up motion capture systems using two different technologies: (1) infra-red cameras and reflective markers, (2) wearable wireless networks. The motion capture systems will be interfaced to a computer to log all motion-capture data and process it using digital-signal-processing and data-classification algorithms.

Graduate standing required.

EECE 6211 Satellite Communication Systems (4 semester hours)

This course provides an introduction to the practical and theoretical analysis of the performance of satellite communications links. Topics in link design, satellite orbit dynamics, antenna gain and coverage, frequency and time division multiple access, component and subsystem nonlinearity, signal format, and error correction coding will be discussed.

Graduate standing required.

EECE 6220 Wireless Communication and Propagation (4 semester hours)

Studies of the fundamentals of radio-frequency wireless communications and the associated wave propagation. Topics include concepts of cellular ratio, radio-wave propagation principles, stochastic wireless channels, small- and large-scale fading, propagation models, wideband channel characterizations, fading-combat techniques, orthogonal frequency division multiplexing (OFDM), spatial diversity and multiplexing, and multiple-input-multiple-output (MIMO) technique. Students will perform theoretical analysis based on learned theories, and also carry out simulations by programming in MATLAB, C, or FORTRAN.

Graduate standing required.

EECE 6221 Radar Engineering (4 semester hours)

Radar fundamentals will be covered including radar applications, frequency allocation, radar space-time coordinates, target and clutter scattering, radar range performance and signal/target detection and location. Also, waveform and non-coherent/coherent signal processing design and analysis will be treated for targets embedded in various types of clutter. The course will also address simple antenna and transmitter/receiver design and performance. A sample radar system design problem will be accomplished.

Graduate standing required.

EECE 6230 Analog VLSI Design (4 semester hours)

Topics in computer-aided design of analog VLSI systems. Topics include: custom and semi-custom design, design methodologies, and simulation of designed circuits. Circuits designed will be fabricated for testing by student.

Prerequisite: EECE 5241.

Graduate standing required.

EECE 6240 Parallel Computing (4 semester hours)

Parallel computing is the process of solving computing problems using several processing units simultaneously, which requires breaking a problem into several subproblems that can be solved simultaneously. Students are first introduced to the hardware architecture of many-core and memory systems. Then, students learn how to decompose problems into subparts that can be solved in parallel using Graphical Processing Units and various programming models. The course consists of lectures and laboratory assignments that consider applications in areas such as augmented and virtual reality.

Graduate standing required.

EECE 6250 Deep Learning Applications (4 semester hours)

This course will cover deep-learning models, including recursive and convolutional neural networks. The course also covers different areas of applications of deep learning such as natural language processing, speech recognition, and computer vision. A significant component of the course will be a project in which student groups implement a solution using deep learning to real-world problems.

Graduate standing required.

EECE 6260 Applications of Optical Engineering (4 semester hours)

The objective of this course is to study applications of photonics in different fields of engineering, medicine and fundamental sciences. The concepts that are covered in the course include optical telecommunication systems, optical amplifiers, photo detection, fundamentals of Lasers and Laser manufacturing, fundamentals of nonlinear optics, and optical signal measurement. The applications studied in the course include ultrafast imaging, ultrafast spectroscopy, Laser Doppler vibrometry, optical coherence tomography, wideband data conversion, optical communications, optical computing, optical sensing, etc.

Graduate standing required.

EECE 6270 Wireless Sensor Networks (4 semester hours)

This course is an introduction to the programming and implementation of wireless sensor networks (WSN). This course follows a hands-on approach. For every meeting time, students will receive a short lecture on programming concepts, which will be followed by laboratory assignments. In the lab assignments, students will apply the concepts introduced in the lecture to program wireless sensors with the objective of having them collaborate with each other to form a WSN.

Graduate standing required.

EECE 6901 Graduate Capstone Project I (2 semester hours)

Project-based seminar in which students will be required to select, research, write about, and discuss some aspect of a broad area of current interest to electrical and computer engineers.

Graduate standing and approval of academic advisor required.

EECE 6902 Graduate Capstone Project II (2 semester hours)

Project-based seminar in which students will be required to select, research, write about, and discuss some aspect of a broad area of current interest to electrical and computer engineers.

Graduate standing and approval of academic advisor required.

EECE 6911 Certificate Capstone Project (2 semester hours)

Project-based seminar in which students will be required to select, research, write about, and discuss some aspect of the certificate area of emphasis.

Graduate standing and approval of academic advisor required.

EECE 6994 Thesis I (2 semester hours)

Graduate students electing the thesis option must obtain a thesis advisor before departmental consent will be considered and comply with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Graduate standing and approval of academic advisor required.

Credit/No Credit only.

EECE 6995 Thesis II (2 semester hours)

Graduate students electing the thesis option must obtain a thesis advisor before departmental consent will be considered and comply with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Graduate standing and approval of academic advisor required.

Credit/No Credit only.

EECE 6996 Thesis III (2 semester hours)

Graduate students electing the thesis option must obtain a thesis advisor before departmental consent will be considered and comply with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Graduate standing and approval of academic advisor required.

Credit/No Credit only.

EECE 6997 Thesis IV (2 semester hours)

Graduate students electing the thesis option must obtain a thesis advisor before departmental consent will be considered and comply with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Graduate standing and approval of academic advisor required.

Credit/No Credit only.

EECE 6998 Special Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

EECE 6999 Independent Studies (1-4 semester hours)

Electrical Engineering and Computer Engineering majors only.

ENGL 1116 Practicum in Tutoring Writing and Liberal Arts (1 semester hour)

Credit/No Credit only.

ENGL 1198 Special Studies (1-4 semester hours)**ENGL 1199 Independent Studies (1-4 semester hours)****ENGL 1998 Special Studies (1-4 semester hours)****ENGL 1999 Independent Studies (1-4 semester hours)****ENGL 2000 Disciplinary Research: The Literary Life (4 semester hours)**

An introduction to the field of English that focuses on research methods and critical analysis of literary texts in which students learn to read, write, and research for the English major. The course instructs students in the tools, data sets, search strategies, reading methods, and disposition literary scholars use to develop and answer research questions. Students will develop transferable research, reading, analytical, and composing skills.

Open to English majors and minors.

Lower-division major requirement: Disciplinary Research.

ENGL 2105 Creative Writing for Non-Majors (4 semester hours)

A genre-based writing workshop (fiction, poetry, and drama).

University Core fulfilled: Explorations: Creative Experience.

ENGL 2107 Introduction to Poetry (4 semester hours)

A course designed to develop an appreciation of fiction through critical analysis and creative writing.

University Core fulfilled: Explorations: Creative Experience.

ENGL 2108 Introduction to Fiction (4 semester hours)

A course designed to develop an appreciation of fiction through critical analysis and creative writing.

University Core fulfilled: Explorations: Creative Experience.

ENGL 2109 Introduction to Drama (4 semester hours)

A course designed to develop an appreciation for drama through critical analysis and creative writing.

University Core fulfilled: Explorations: Creative Experience.

ENGL 2122 Creativity through Constraints (4 semester hours)

A study of creative and critical texts on constraint-based writing as well as a workshop in writing texts under constraints.

Upper-division major requirement: Creative Artistry.

University Core fulfilled: Explorations: Creative Experience.

ENGL 2300 History of Literature, Media, and Culture (4 semester hours)

Courses that study the relationship between history and literature, media, and/or culture through texts from particular historical periods.

Area may be repeated up to 2 times with different subtitles.

Open to English majors and minors and Screenwriting majors.

ENGL 2400 Reading and Writing Genres (4 semester hours)

Area may be repeated up to 2 times with different subtitles.

English majors/minors and Screenwriting majors only.

ENGL 2500 Theory, Power, and Rhetoric (4 semester hours)

An introduction to key concepts within literary, rhetorical, and cultural theory that examine power and empowerment in the context of literature, culture, and media.

Area may be repeated up to 2 times with different subtitles.

English majors/minors and Screenwriting majors only.

ENGL 2998 Special Studies (1-4 semester hours)**ENGL 2999 Independent Studies (1-4 semester hours)****ENGL 3100 Pre-1800 Literature (4 semester hours)**

Courses that focus on literature from the third through the eighteenth century C.E.

Junior or senior standing required.

Upper division major requirement: Pre-1800 Literature.

Area may be repeated up to 4 times with different subtitles.

ENGL 3321 Shakespeare: The Major Plays (4 semester hours)

A survey course of Shakespeare's "major plays." It is a course that intends to cover all the dramatic genres Shakespeare wrote in and at the same time highlight those works which are considered Shakespeare's most important.

Juniors and seniors only.

Fulfills Author(s) or Critical/Theoretical requirement.

ENGL 3322 Studies in Shakespeare (4 semester hours)

An in-depth study of Shakespeare's writings.

This course is repeatable for degree credit up to two times provided new course material (literature) is covered and a new subtitle has been designated.

Junior or senior standing or permission of the Chairperson required.

Fulfills Author(s) or Critical/Theoretical requirement.

ENGL 3323 Shakespeare and Politics (4 semester hours)

An exploration of the politics of drama and the workings of power and authority in Shakespeare's plays.

Junior or senior standing or permission of the Chairperson required.

Fulfills Author(s) or Critical/Theoretical requirement.

ENGL 3324 Jack Kerouac and the Beats (4 semester hours)

An examination of the major Beat writers with a concentration on Jack Kerouac and his novels about his peers.

Juniors and seniors only.

Fulfills Author(s) or Critical/Theoretical requirement.

ENGL 3325 Contemporary Poetry (4 semester hours)

British and American poetry from Wallace Stevens to the present.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 3326 Contemporary Drama (4 semester hours)

International and American drama from 1964 to the present.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 3332 The Short Story (4 semester hours)

A study of the short story as a literary form; close reading of representative short stories by American, British, and continental writers.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 3333 Early American Short Story (4 semester hours)

A survey of short stories from the nineteenth century to the early twentieth century; close reading of representative short stories and study of the short story as a genre.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3338 Detecting the Divine (4 semester hours)

A study of how the mystery genre in literature provides a paradigm for investigating the mystery of the divine more generally.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3341 Studies in World Literature (4 semester hours)

A study of literature(s) written outside the United States and Britain.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3342 Images of Women in Nineteenth-Century England (4 semester hours)

Study of how the women's rights movement influenced images of women in 19th-century English literature.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3343 Twentieth-Century Women's Writing (4 semester hours)

A study of literary and critical texts written by women in the 20th century.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 3344 African American Literature (4 semester hours)

(See AFAM 3621.)

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

ENGL 3345 Studies in Multi-Ethnic Literature (4 semester hours)

The comparative study of literatures within the American experience.

Juniors and seniors only.

This course is repeatable for degree credit up to two times provided new course material (literature) is covered and a new subtitle has been designated.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3346 Children's Literature (4 semester hours)

A study of children's literature and the critical discussions it raises across literary and educational studies.

Open to Liberal Studies majors who are juniors or seniors.

ENGL 3347 Fairy Tales (4 semester hours)

A comparative survey of the literary fairy tale tradition through diverse critical and theoretical approaches: folkloricist, structuralist, psychoanalytical, sociological, new historicist, feminist, and gender studies.

Juniors and seniors only.

Open to English majors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3348 Caribbean Literature (4 semester hours)

A study of Anglophone Caribbean literature that examines, from a postcolonial perspective, a number of aesthetic matters (e.g., West Indian coming of age novels vs. the European Bildungsroman) and social issues (e.g., the use of patois vs. "standard" English in Caribbean poetry).

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3349 Longing and Belonging: The Literatures of Israel (4 semester hours)

This course investigates modern representations in literature and film of longing for and belonging in the land of Israel.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3350 Chicana/o-Latina/o Literature (4 semester hours)

Examines Chicana/o-Latina/o literature, its criticism as well as its various artistic genres, introducing students to its aesthetic and social value/s (see CHST 3332).

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ENGL 3351 Classical Mythology (4 semester hours)

Study of the basic myths and myth patterns of the Greeks and Romans, and the mythological heritage in Western Literature (see CLAR 3210).

Fulfills Critical/Theoretical requirement.

Junior or senior standing requirement.

ENGL 3352 Portraits of the Artist (4 semester hours)

Fictional, poetic, and dramatic portraits of the developing artist.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 3353 Chicana/o Consciousness (4 semester hours)

Surveys through literary analysis and critical theory a Chicana/o form of awareness, with particular attention to the intersection in Latina/o intellectual history of the aesthetic, the ethical, and the political (see CHST 4406).

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

ENGL 3354 Prison Literature (4 semester hours)

Surveys literature written by political prisoners to examine its artistry as well as its attempt to intervene in a culture of incarceration.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 3355 Literature and Faith in the Holy Land (4 semester hours)

This course is held on-site in Israel. It examines the concept of hospitality through encounters with diverse communities and people.

Fulfills Comparative requirement.

Crosslisted as JWST 4260.

University Core fulfilled: Integrations: Interdisciplinary Connections, Flag: Engaged Learning, Writing.

ENGL 3356 The Holocaust in American Film and Literature (4 semester hours)

This class examines the ways in which the disciplines of film and literature shape American consciousness about the European catastrophe of the Holocaust. Key to these interpretations is the role of culture, art, and society.

Fulfills Comparative requirement.

Crosslisted as JWST 4320.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ENGL 3357 Poland and the Holocaust (4 semester hours)

This course is held on-site in Poland, and may include travel to Germany, the Czech Republic, or other locations. It may be taken more than once provided the content is considerably different each time. The focus is on the long history of Jewish life in Europe while considering the impact of the Holocaust on the European landscape.

Fulfills Comparative requirement.

Crosslisted as JWST 4360.

Integrations: Faith and Reason

ENGL 3361 Reading Methods (4 semester hours)

A survey of various methods of reading literary texts.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 3372 American Literature II (4 semester hours)

A survey of American literature from 1865 to the present.

Junior or senior standing or permission of the Chairperson required.

Fulfills Critical/Theoretical requirement.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ENGL 3373 RoadRead (4 semester hours)

This multi-genre course explores the literature of Los Angeles and California. Involves field trips.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

Open to English majors and minors who are juniors or seniors.

Fulfills Critical/Theoretical requirement.

Lab fee required.

ENGL 3374 RoadWrite (4 semester hours)

This multi-genre writing course explores the literature of Los Angeles and California. Involves field trips.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

Open to English majors and minors who are juniors or seniors.

Fulfills Creative/Artistry requirement.

Lab fee required.

ENGL 3375 StreetRead (4 semester hours)

Students will respond critically to literature in the classroom and run reading groups in the community.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

Open to English majors and minors who are juniors or seniors.

Fulfills Critical/Theoretical requirement.

University Core fulfilled: Flags: Writing, Engaged Learning.

ENGL 3376 StreetWrite (4 semester hours)

Student writers will workshop their own writing and run field workshops in the community.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

Open to English majors and minors who are juniors or seniors.

Fulfills Creative/Artistry requirement.

ENGL 3600 Race, Intersectionality, and Power (4 semester hours)

Courses that challenge racism in the contemporary U.S. through the study of literature. Within this context, participants study literatures and audio-visual media that counter white supremacy and explore other racial formations and imaginaries. They also explore other literatures that embody resistance to and protest against racial oppression; that challenge religious persecution and its racialization; and that explore how gender, class, sexuality, and other social formations intersect with race.

Juniors and seniors only.

Upper-division major requirement: Race, Intersectionality, and Power.

Area may be repeated up to 4 times with different subtitles.

ENGL 3998 Special Studies (1-4 semester hours)

Juniors and seniors only.

ENGL 3999 Independent Studies (1-4 semester hours)

Juniors and seniors only.

ENGL 4402 Writing Internship in Media (4 semester hours)

Students enrolled in this course work 10-12 hours per week with an off-campus media firm.

Prerequisite: ENGL 2206 or JOUR 2100.

Juniors and seniors only.

Permission of the instructor required. Students must submit a portfolio of their writing to the instructor four weeks prior to registration for the course.

ENGL 4405 Literary Non-Fiction Workshop (4 semester hours)

An advanced course in non-fiction prose, with practice in both creating and analyzing non-fiction.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4411 Fiction Writing Workshop: Narrative and Style (4 semester hours)

Exercises, experiments, and creative construction in classic narrative fiction styles.

Prerequisite: ENGL 2202.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4412 Poetry Writing Workshop: Imagination (4 semester hours)

Writing poetry with an emphasis on image and the lyric imagination.

Prerequisite: ENGL 2201.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4413 Play Writing Workshop: One-Acts (4 semester hours)

Writing monologues, ten-minute, and one-act scripts for the stage.

Prerequisite: ENGL 2200.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4431 Fiction Writing Workshop: The Components of the Short Story (4 semester hours)

Exercises and experiments in putting together the parts of a short story.

Prerequisite: ENGL 2202.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4432 Poetry Writing Workshop: Voice (4 semester hours)

Writing poetry persona poems and/or dramatic monologues.

Prerequisite: ENGL 2201.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4433 Play Writing Workshop: Adaptation (4 semester hours)

Adapting fiction, non-fiction, and other genres for the stage.

Prerequisite: ENGL 2200.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4463 The Art of the Essay (4 semester hours)

The advanced practice and study of the essay's form and technique in academic, professional, and popular contexts.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 4464 Publishing a Journal (4 semester hours)

This is an advanced journalism course designed to train the student in the practical elements involved in publishing an international journal of literary nonfiction.

Juniors and seniors only.

Fulfills Journalism Specialization or Elective requirement; fulfills English Creative/Artistry requirement.

Permission of instructor required.

ENGL 4481 Time in 20th/21st Century Fiction and Film (4 semester hours)

A writing and theory course that explores the shift from modernist to postmodernist ideas of time.

Juniors and seniors only.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ENGL 4500 Creative Artistry (4 semester hours)

Courses in which students develop intermediate and advanced artistry in one or more of the following genres: fiction, non-fiction, creative non-fiction, poetry, and drama.

Juniors and seniors only.

Upper division major requirement: Creative Artistry.

Area may be repeated up to 4 times with different subtitles.

ENGL 4600 Electives: Topics in Lit (4 semester hours)

Topics in Literature and Language.

Upper division major requirement: Electives

Repeatable for credit with different subtitles up to 4 times.

ENGL 4998 Special Studies (1-4 semester hours)

Juniors and seniors only.

ENGL 4999 Independent Studies (1-4 semester hours)

Junior or senior standing required.

ENGL 5000 Seminars - Advanced Studies (3,4 semester hours)

Courses in a seminar format that are distinct from 2000, 3000 and 4000-level courses offering advanced proficiency in research and writing.

Junior or senior or M.A. candidate standing required.

Upper division major requirement: 5000-level seminar.

Area may be repeated up to 4 times with different subtitles.

ENGL 5395 Capstone Seminar (4 semester hours)

A seminar in which students are supervised in developing a portfolio of work in an area of critical/theoretical analysis.

Senior standing required.

Fulfills elective course requirement.

ENGL 5495 Capstone Seminar (4 semester hours)

A seminar in which students are supervised in developing a portfolio of work in an area of creative writing.

Senior standing required.

Fulfills elective course requirement.

ENGL 5502 The Arthurian Romance (4 semester hours)

A study of Arthurian legend from Geoffrey of Monmouth to Sir Thomas Malory.

Prerequisite: ENGL 2206 or JOUR 2100.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5503 English Literature of the Middle Ages (4 semester hours)

English literature, from the Normans to the Tudors.

Fulfills Critical/Theoretical requirement.

Juniors and seniors only.

ENGL 5504 Chaucer (4 semester hours)

The works of Chaucer, particularly The Canterbury Tales.

Juniors and seniors only.

Fulfills Author(s) or Critical/Theoretical requirement.

ENGL 5507 The Idea of the Vernacular (4 semester hours)

Using a variety of modern and medieval theoretical models the course interrogates the rise of English as a literary medium in the fourteenth and fifteenth centuries, when writing in English was edgy and sometimes dangerous, by examining manuscripts and early printed books as the physical manifestations of this radicalizing literary culture.

Juniors and seniors only.

Fulfills Critical/Theoretical and Author(s) requirements.

ENGL 5513 Milton (4 semester hours)

The poetry and selected prose of John Milton.

Juniors and seniors only.

Fulfills Author(s) or Critical/Theoretical requirement.

ENGL 5521 British Literature: 1660-1800 (4 semester hours)

Studies in British literature of the Restoration and Eighteenth Century, exclusive of the novel.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5522 Eighteenth-Century English Novel (4 semester hours)

The development of the English novel in its first century.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5530 Studies in Romanticism (4 semester hours)

Explore the key works, concepts, genres, and writers associated with Romanticism.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

This course is repeatable for degree credit up to two times provided new course material is covered, and a new subtitle has been designated.

ENGL 5532 The Nineteenth-Century English Novel (4 semester hours)

The development of the English novel from Austen to Hardy.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5533 Victorian Literature (4 semester hours)

Explores the key works, concepts, genres, and writers associated with Victorianism.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

This course is repeatable for degree credit up to two times provided new course material is covered, and a new subtitle has been designated.

ENGL 5534 Literature of the Holocaust (4 semester hours)

A study of the literature of the Holocaust including fiction, poetry, drama, and film.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

University Core fulfilled: Flag: Engaged Learning.

ENGL 5541 British Fiction: 1900-1950 (4 semester hours)

A study of British novels and short fiction from 1900 to 1950.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5542 British Literature: 1950 to the Present (4 semester hours)

A study of British novels, short fiction, and poems from 1950 to the present.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5543 British Poetry: 1900-1950 (4 semester hours)

A study of the poetry of Yeats, Eliot, Auden, Thomas, and other modernists.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5544 Modern Irish Literature (4 semester hours)

A survey of Irish literature from 1900 to World War II.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5545 Contemporary Irish Literature (4 semester hours)

A study of Irish literature from the end of World War II to the present.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5546 Irish Renaissance (4 semester hours)

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers (and others) to preserve the rich legacy of Irish culture and carry it forward into the modern age.

Juniors and seniors only.

Fulfills Comparative requirement.

ENGL 5547 Irish Short Story (4 semester hours)

A study of the short story in Ireland during the twentieth century.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5548 Irish Women Writers (4 semester hours)

This course will examine women's issues in Ireland from 1800 to the present, from the perspective of Irish women novelists, playwrights, and poets.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5549 The Dark Stuff: Horror in Irish Literature (4 semester hours)

The Dark Stuff will explore the rich traditions of the Gothic and the literary ghost story in Irish literature.

Junior and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5552 American Renaissance (4 semester hours)

The study of American Transcendentalists and other writers from the American Renaissance period of the 19th century.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5553 American Realism and Naturalism (4 semester hours)

The study of such representative American fiction writers as Twain, James, and Crane.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5554 Modern American Fiction (4 semester hours)

The study of such representative novelists as Hemingway, Faulkner, Anderson, and Fitzgerald.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5555 American Fiction Since 1950 (4 semester hours)

A study of American novels and short fiction from 1950 to the present.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5556 Modern American Poetry (4 semester hours)

The study of representative American poets from Whitman to the mid-twentieth century.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5557 Nineteenth-Century American Women Writers (4 semester hours)

A study of American women writers; close reading of representative texts from different genres by a range of diverse writers.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5558 Caribbean Literature (4 semester hours)

The study of representative writers from the English-speaking Caribbean, such as George Lamming, Jean Rhys, Sam Salvon, and Jamaica Kincaid.

Juniors and seniors only.

Fulfills Comparative or Critical/Theoretical requirement.

ENGL 5559 Survey of Literary Criticism (4 semester hours)

The principles and practice of literary criticism from the Ancient Greeks to World War II.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5560 Power: American Literature, Theory, Society (4 semester hours)

Examines language, literature, and power in American culture and society through postcolonial, feminist, and cultural studies.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ENGL 5562 Contemporary Rhetorical Theory (4 semester hours)

Textual analysis and production based on contemporary rhetorical theory.

Juniors and seniors only.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

ENGL 5563 Creative Writing Seminar (4 semester hours)

An intensive writing class in fiction, poetry, drama, creative non-fiction, or some combination of these genres.

Prerequisite: One 4400-level creative writing course in the appropriate genre.

Juniors and seniors only.

This course is repeatable for degree credit up to two times, provided new course material is covered and a new subtitle has been designated.

Fulfills Creative/Artistry requirement.

ENGL 5565 Theory of Teaching Writing and Literature (4 semester hours)

A course for current and future teachers of composition designed to facilitate the application of theory to pedagogy.

Juniors and seniors only.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

ENGL 5566 Metaphor: Theory and Practice (4 semester hours)

A course investigating metaphor theoretically and in the students' own writing.

Juniors and seniors only.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

ENGL 5567 Style in Writing (4 semester hours)

An examination of prose styles and theories of style to help students develop their own writing styles.

Juniors and seniors only.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

ENGL 5568 A Course About Nothing (4 semester hours)

Examines the paradoxical signifier "nothing" across disciplines including cosmology, theology, philosophy, art, and literature.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

University Core fulfilled: Integrations: Interdisciplinary Connections.

ENGL 5569 Linguistics (4 semester hours)

An introduction to issues in linguistics, such as phonology, morphology, syntax, and sociolinguistics.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5571 Writing the Novella: Workshop (4 semester hours)

Practice in writing extended narrative forms.

Prerequisite: ENGL 4411, ENGL 4421, or ENGL 4431.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 5573 Writing Literary Dialogue (4 semester hours)

A series of exercises and scenarios accentuating the rhythm, lyricism, and implicit movement of character-driven dialogue.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 5574 Rhetoric and Media (4 semester hours)

A study of persuasion and rhetorical strategies used by the media.

Juniors and seniors only.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

ENGL 5575 The Art of Rhetoric (4 semester hours)

A survey of rhetoric from the classical to the modern period.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5582 Poetry of Witness (4 semester hours)

A writing workshop in poetry involving the study of international political poems, or poems of witness.

Juniors and seniors only.

Fulfills Comparative and Creative/Artistry requirements.

ENGL 5583 Poetry of Night (4 semester hours)

The poetry of silence, night, and dream: a sampling of deeply interior and surreal works feeds the generation of a body of related poems, via intensive reading, writing, and workshop.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 5584 The Black Aesthetic (4 semester hours)

Study of theories of African American aesthetics.

Juniors and seniors only.

Fulfills Critical/Theoretical requirement.

ENGL 5590 The Feminist Critique: Journalism, the Arts, and Gender (4 semester hours)

A study of arts criticism by women writers.

Prerequisite: ENGL 2206 or JOUR 2100.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 5591 Literary Journalism (4 semester hours)

Examines the tradition of literary journalism, the telling of true stories through fictional techniques, with emphasis on helping students produce a publishable body of work in this genre.

Prerequisite: ENGL 2206 or JOUR 2100.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 5592 Pazz and Jop: Music Criticism (4 semester hours)

By studying the works of critics throughout pop music history, students will learn to think critically about musical terms and genres and express their observations and opinions in various forms.

Prerequisite: ENGL 2206 or JOUR 2100.

Juniors and seniors only.

Fulfills Creative/Artistry requirement.

ENGL 5595 Capstone Seminar (4 semester hours)

A seminar in which students are supervised in developing a portfolio of work in their area of specialization.

Seniors only.

Fulfills Specialization course requirement.

ENGL 5602 The Arthurian Romance (3 semester hours)

A study of Arthurian legend from Geoffrey of Monmouth to Sir Thomas Malory.

M.A. candidate standing required.

ENGL 5603 English Literature of the Middle Ages (3 semester hours)

English literature, from the Normans to the Tudors.

M.A. candidate standing required.

ENGL 5604 Chaucer (3 semester hours)

The works of Chaucer, particularly The Canterbury Tales.

M.A. candidate standing required.

ENGL 5607 The Idea of the Vernacular (3 semester hours)

Using a variety of modern and medieval theoretical models the course interrogates the rise of English as a literary medium in the fourteenth and fifteenth centuries, when writing in English was edgy and sometimes dangerous, by examining manuscripts and early printed books as the physical manifestations of this radicalizing literary culture.

M.A. candidate standing required.

ENGL 5613 Milton (3 semester hours)

The poetry and selected prose of John Milton.

M.A. candidate standing required.

ENGL 5621 British Literature: 1660-1800 (3 semester hours)

Studies in British literature of the Restoration and Eighteenth Century, exclusive of the novel.

M.A. candidate standing required.

ENGL 5622 Eighteenth-Century English Novel (3 semester hours)

The development of the English novel in its first century.

M.A. candidate standing required.

ENGL 5630 Studies in Romanticism (3 semester hours)

Explore the key works, concepts, genres, and writers associated with Romanticism.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

M.A. candidate standing required.

ENGL 5632 The Nineteenth-Century English Novel (3 semester hours)

The development of the English novel from Austen to Hardy.

M.A. candidate standing required.

ENGL 5633 Victorian Literature (3 semester hours)

Explores the key works, concepts, genres, and writers associated with Victorianism.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

M.A. candidate standing required.

ENGL 5634 Literature of the Holocaust (3 semester hours)

A study of the literature of the Holocaust including fiction, poetry, drama, and film.

M.A. candidate standing required.

ENGL 5641 British Fiction: 1900-1950 (3 semester hours)

A study of British novels and short fiction from 1900 to 1950.

M.A. candidate standing required.

ENGL 5642 British Literature: 1950 to the Present (3 semester hours)

A study of British novels, short fiction, and poems from 1950 to the present.

M.A. candidate standing required.

ENGL 5643 British Poetry: 1900-1950 (3 semester hours)

A study of the poetry of Yeats, Eliot, Auden, Thomas, and other modernists.

M.A. candidate standing required.

ENGL 5644 Modern Irish Literature (3 semester hours)

A survey of Irish literature from 1900 to World War II.

M.A. candidate standing required.

ENGL 5645 Contemporary Irish Literature (3 semester hours)

A study of Irish literature from the end of World War II to the present.

M.A. candidate standing required.

ENGL 5646 Irish Renaissance (3 semester hours)

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers (and others) to preserve the rich legacy of Irish culture and carry it forward into the modern age.

M.A. candidate standing required.

ENGL 5647 Irish Short Story (3 semester hours)

A study of the short story in Ireland during the twentieth century.

M.A. candidate standing required.

ENGL 5648 Irish Women Writers (3 semester hours)

This course will examine women's issues in Ireland from 1800 to the present, from the perspective of Irish women novelists, playwrights, and poets.

M.A. candidate standing required.

ENGL 5649 The Dark Stuff: Horror in Irish Literature (3 semester hours)

The Dark Stuff will explore the rich traditions of the Gothic and the literary ghost story in Irish literature.

M.A. candidate standing required.

ENGL 5652 American Renaissance (3 semester hours)

The study of American Transcendentalists and other writers from the American Renaissance period of the 19th century.

M.A. candidate standing required.

ENGL 5653 American Realism and Naturalism (3 semester hours)

The study of such representative American fiction writers as Twain, James, and Crane.

M.A. candidate standing required.

ENGL 5654 Modern American Fiction (3 semester hours)

The study of such representative novelists as Hemingway, Faulkner, Anderson, and Fitzgerald.

M.A. candidate standing required.

ENGL 5655 American Fiction Since 1950 (3 semester hours)

A study of American novels and short fiction from 1950 to the present.

M.A. candidate standing required.

ENGL 5656 Modern American Poetry (3 semester hours)

The study of representative American poets from Whitman to the mid-twentieth century.

M.A. candidate standing required.

ENGL 5657 Nineteenth-Century American Women Writers (3 semester hours)

A study of American women writers; close reading of representative texts from different genres by a range of diverse writers.

M.A. candidate standing required.

ENGL 5658 Caribbean Literature (3 semester hours)

The study of representative writers from the English-speaking Caribbean, such as George Lamming, Jean Rhys, Sam Salvon, and Jamaica Kincaid.

M.A. candidate standing required.

ENGL 5659 Survey of Literary Criticism (3 semester hours)

The principles and practice of literary criticism from the Ancient Greeks to World War II.

M.A. candidate standing required.

ENGL 5660 Power: American Literature, Theory, Society (3 semester hours)

Examines language, literature, and power in American culture and society through postcolonial, feminist, and cultural studies.

M.A. standing required.

ENGL 5662 Contemporary Rhetorical Theory (3 semester hours)

Textual analysis and production based on contemporary rhetorical theory.

M.A. candidate standing required.

ENGL 5663 Creative Writing Seminar (3 semester hours)

An intensive writing class in fiction, poetry, drama, creative non-fiction, or some combination of these genres.

This course is repeatable for degree credit up to two times, provided new course material is covered and a new subtitle has been designated.

M.A. candidate standing required.

ENGL 5665 Theory of Teaching Writing and Literature (3 semester hours)

A course for current and future teachers of composition designed to facilitate the application of theory to pedagogy.

M.A. candidate standing required.

ENGL 5666 Metaphor: Theory and Practice (3 semester hours)

A course investigating metaphor theoretically and in the students' own writing.

M.A. candidate standing required.

ENGL 5667 Style in Writing (3 semester hours)

An examination of prose styles and theories of style to help students develop their own writing styles.

M.A. candidate standing required.

ENGL 5669 Linguistics (3 semester hours)

An introduction to issues in linguistics, such as phonology, morphology, syntax, and sociolinguistics.

M.A. candidate standing required.

ENGL 5671 Writing the Novella: Workshop (3 semester hours)

Practice in writing extended narrative forms.

M.A. candidate standing required.

ENGL 5673 Writing Literary Dialogue (3 semester hours)

A series of exercises and scenarios accentuating the rhythm, lyricism, and implicit movement of character-driven dialogue.

M.A. candidate standing required.

ENGL 5674 Rhetoric and Media (3 semester hours)

A study of persuasion and rhetorical strategies used by the media.

M.A. candidate standing required.

ENGL 5675 The Art of Rhetoric (3 semester hours)

A survey of rhetoric from the classical to the modern period.

M.A. candidate standing required.

ENGL 5682 Poetry of Witness (3 semester hours)

A writing workshop in poetry involving the study of international political poems, or poems of witness.

M.A. candidate standing required.

ENGL 5683 Poetry of Night (3 semester hours)

The poetry of silence, night, and dream: a sampling of deeply interior and surreal works feeds the generation of a body of related poems, via intensive reading, writing, and workshop.

M.A. candidate standing required.

ENGL 5684 The Black Aesthetic (3 semester hours)

Study of theories of African American aesthetics.

M.A. candidate standing required.

ENGL 5690 The Feminist Critique: Journalism, the Arts, and Gender (3 semester hours)

A study of arts criticism by women writers.

M.A. candidate standing required.

ENGL 5691 Literary Journalism (3 semester hours)

Examines the tradition of literary journalism, the telling of true stories through fictional techniques, with emphasis on helping students produce a publishable body of work in this genre.

M.A. candidate standing required.

ENGL 5692 Pazz and Jop: Music Criticism (3 semester hours)

By studying the works of critics throughout pop music history, students will learn to think critically about musical terms and genres and express their observations and opinions in various forms.

M.A. candidate standing required.

ENGL 5998 Special Studies (1-4 semester hours)

Junior, senior, or M.A. candidate standing required.

ENGL 5999 Independent Studies (1-4 semester hours)

Junior, senior, or M.A. candidate standing required.

ENGL 6600 Critical Methodology (3 semester hours)

Prolegomena to Graduate Studies in English (must be completed in the first semester).

ENGL 6601 Seminar in a Literary Period (3 semester hours)

Intensive study of a formative era in the history of English Literatures.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

ENGL 6602 Seminar in a Genre (3 semester hours)

Exploration of one of the types or categories into which literary works are conventionally grouped.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

ENGL 6603 Seminar in a Major Writer (3 semester hours)

Intensive study of an influential writer.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

ENGL 6604 Seminar Literary Theory (3 semester hours)

Exploration of theoretical approaches to literature and its production.

ENGL 6605 Contemporary Critical Theory (3 semester hours)

Exploration of theoretical approaches to art, thought, and culture (must be completed in the first year).

ENGL 6606 Seminar in Rhetoric (3 semester hours)

Intensive study of the arts of persuasion.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

ENGL 6607 Seminar in Composition Theory (3 semester hours)

Exploration of theoretical approaches to the disciplines of Rhetoric and Composition.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

ENGL 6608 Reading and Writing the Other (3 semester hours)

A hybrid reading and writing seminar that explores otherness and difference as an aesthetic, political, theoretical, and subjective experience.

ENGL 6610 Seminar in Creative Writing (3 semester hours)

Intensive practicum in Creative Writing.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

ENGL 6694 Capstone Portfolio (0 semester hours)

The capstone portfolio is a culminating project that requires students to work under the supervision of an advisor to create a critical or creative portfolio that highlights his/her research or creative interests.

Students should register in their final semester of coursework.
Credit/No Credit only.

ENGL 6998 Special Studies (1-3 semester hours)**ENGL 6999 Independent Studies (0-3 semester hours)****ENGR 100 Introduction to Engineering (3 semester hours)**

This course is designed to introduce basic concepts relevant to engineering and to promote interest in the profession. The course seeks to establish a solid foundation of technical, creative, teamwork, and communication skills for engineers through effective problem solving, analysis, and design techniques.

Corequisite: ENGR 190

ENGR 160 Algorithms and Applications (3 semester hours)

The development of algorithms for the computer solution of engineering problems and the implementation of the algorithms using MATLAB.

ENGR 190 Engineering Seminar (1 semester hour)

Students are exposed to the different disciplines through a variety of speakers active in the profession.

ENGR 198 Special Studies (0-3 semester hours)**ENGR 199 Independent Studies (1-3 semester hours)****ENGR 200 Statics (3 semester hours)**

Resultants of force systems, free-body diagrams, equations of equilibrium and their applications, analysis of trusses, centroids and moments of inertia, shear and moment diagrams.

Prerequisites: MATH 234 or concurrent enrollment, PHYS 101.

ENGR 278 The Science of the Automobile (3 semester hours)

An introduction to today's automotive technology, and the science that supports it, using a systems approach to automotive design. Automotive design, function, and features are discussed, along with the manufacturing process involved in automotive construction and the effect of globalization on the automotive industry.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

ENGR 298 Special Studies (1-3 semester hours)**ENGR 299 Independent Studies (1-3 semester hours)****ENGR 300 Fundamentals of Engineering (FE) Exam (0 semester hours)**

A review of topics in mathematics, science, and engineering in preparation for the Fundamentals of Engineering (FE) Examination. Students must register for and take the Fundamentals of Engineering (FE) Examination.

Junior standing required.

ENGR 398 Special Studies (1-3 semester hours)**ENGR 399 Independent Studies (1-3 semester hours)**

ENGR 400 Senior Seminar (0 semester hours)

Presentations emphasizing ethics; economics; societal, political, and global issues; lifelong learning; and contemporary engineering issues.

Senior standing required.

ENGR 498 Special Studies (1-3 semester hours)**ENGR 499 Independent Studies (1-3 semester hours)****ENGR 1200 Computational Engineering (2 semester hours)**

An introduction to the fundamental concepts and practices in modern computer programming, including expressions, conditional statements, loops, functions, data modeling, and debugging. Programming experiences emphasize the cultivation of 3 computational skills that can be applied to the analysis, modeling, and design of engineering systems.

ENGR 1300 Engineering Visualization (2 semester hours)

Introduction to engineering drawing and sketching as a tool for design communication. Development of three-dimensional (3D) visualization skills for engineering analysis and design. Use of computer-aided design (CAD) software packages for the creation of 3D parametric solid models. Presentation of 3D geometry using two-dimensional (2D) engineering drawings. Creating orthographic planar projections from 3D isometric views, including sections, dimensioning, tolerances, and abbreviations. Reading and interpreting professional grade drawings (blueprints) used in industry. Industry examples from Mechanical, Civil and Architectural Engineering will be presented. Teamwork and effective communication are emphasized.

ENGR 2001 Statics (2 semester hours)

Course focuses on the equilibrium of rigid bodies and simple structures at rest under the action of forces. Students will learn fundamental techniques including free body diagrams, resultants of force systems, equations and conditions of equilibrium and their applications. Simple structures include plane trusses, frames, and beams with concentrated loads. An introduction to distributed forces will include centroids, moments of inertia, and shear and moment diagrams.

Prerequisite: PHYS 1100 and previous or concurrent enrollment in either MATH 132 or MATH 234.

ENSI 5998 Special Studies (1-3 semester hours)**ENSI 6200 Creativity, Innovation, and Design (3 semester hours)**

Reviews and analyzes entrepreneurship, creativity and innovation-related concepts, models, and tools, and how those can be used within a variety of entrepreneurial and organizational environments. Offers experiential exercises to enhance the students' entrepreneurial mindset including creativity, adaptability and self-efficacy. Introduces students to design methodology to enable them to formulate innovative solutions to complex problems. Students work collaboratively in teams and demonstrate their competency through various exercises and projects.

ENSI 6201 Entrepreneurial Finance and Accounting (3 semester hours)

Provides an overview of fundamental accounting and finance concepts and tools relevant to entrepreneurs and executives. Reviews accounting and finance basics with focus on extracting practical insights. Explores startup financing strategies from bootstrapping to various types of debt and equity financing. Students learn to develop financial projections for a new project or venture and determine financing needs and financing strategies.

ENSI 6202 Entrepreneurial Leadership (3 semester hours)

Explores entrepreneurial leadership, a mindset and a skillset, that has been shown to be highly effective in various organizational settings. Incorporates the leadership views from Ignatian spirituality focusing on self-awareness, ingenuity, love, and heroism. Topics also include vision, team-building, ethical decision-making, career-planning, and goal-setting, among others. Students meet with their individual mentor(s) to discuss professional development goals, business ideas, and personal milestones to prepare for the post-program new venture launch or a career transition.

ENSI 6203 Corporate Entrepreneurship and Innovation (3 semester hours)

Reviews the importance and role of corporate entrepreneurship in building and sustaining innovation within organizations. Examines the challenges and opportunities for managers, employees, and organizations in creating and maintaining a culture and organizational design that foster entrepreneurial endeavors, e.g., corporate renewal, startups, and spinouts, etc. Utilizes case studies to obtain specific lessons about what types of corporate entrepreneurial efforts (e.g., policies, strategies, practices) have been effective (and not so effective) and what individuals can do as change agents to lead their organizations be more entrepreneurial.

ENSI 6204 Growth Marketing, Analytics, and Sales (3 semester hours)

Introduces students to innovative growth marketing strategies and methods employed by startups and other early-stage or financially-constrained companies. Students get their hands dirty designing advertisements and analyzing performance of their actions. For students interested in working for larger, more established businesses, the course will equip them with a set of lean, low-cost and creative marketing tools. Also discussed are effective practices and processes for selling products and services to corporations.

ENSI 6205 Entrepreneurial Law (3 semester hours)

Examines the legal framework and issues pertaining to early-stage and small companies, including but not limited to choice of entity and entity formation, corporate governance issues (operating agreements, shareholder agreements, bylaws, etc.), review of leases, basic independent contractor agreement, employment agreement, and vendor agreement. Also explored are intellectual property matters including patent law basics, trademark searches and filing processes, copyright laws, and licensing agreement.

ENSI 6210 Environmental Problems, Issues & Impacts (3 semester hours)

Presents an overview of Earth's critical environmental problems and issues including the global climate change, air pollution, water pollution, biodiversity loss, plastic waste, and deforestation, among others. Discussed are physical and chemical processes such as atmospheric processes, the greenhouse effect, oceanic circulations, ecosystem, and other relevant scientific concepts. Examined are impacts on water resources, agriculture, food, poverty, inequality, and biodiversity. Also discussed are opportunities for climate adaptation and resilience, e.g., climate adaptation strategies, policies, and planning at the community, city, national, and global levels to reduce and manage risk.

ENSI 6211 Environmental Law, Policy & Ethics (3 semester hours)

Explores the major statutes and policies used, at both the federal, state and local levels, to protect humans and the environment against exposure to harmful substances, including the Clean Air Act, Clean Water Act, Superfund, the Resource Conservation & Recovery Act, and laws designed to regulate toxic substances. Examines the challenges of global air pollution, including climate change and ozone depletion. Looks also at alternative legal mechanisms for advancing environmental policies (such as voter initiatives and common-law actions) and the role of market mechanisms in addressing environmental problems. Analyzes the roles of the local and federal governments and businesses to dealing with environmental challenges and explores resources available to entrepreneurs. Also addressed are environmental ethics, environmental rights, and environmental justice.

ENSI 6212 Developments in Sustainable Technology (3 semester hours)

Explores the latest applications and developments in sustainable and clean technologies in various sectors including in energy, agriculture, transportation, housing, water, food, and consumer goods. Reviews the science and economics of the leading technology solutions such as solar energy, fuel cell and energy storage as well as the developments in the underlying sciences in material science, chemistry, agricultural sciences, and microbiology among others. Examines the recent investments in sustainable solutions to identify future technological and business trends and opportunities.

Prerequisite: ENSI 6210.

ENSI 6213 Sustainable Product and Process Development (3 semester hours)

Explores the development process of innovative sustainable products, services and processes. Dives into the principles of effective and efficient execution of product, service, or process development processes. Examines how products or services are designed, brought to market, and scaled as well as how certain processes are designed and adopted inside an organization. Introduces students to prominent theories, best practices, and important special cases to provide them with a practical understanding of practices adopted in the industry. The class will entail lecture, case analyses, class discussions, and a small project.

Prerequisite: ENSI 6210.

ENSI 6221 Capstone Project 1 (3 semester hours)

Working individually or in small teams, students will work either on a startup idea or corporate project. Students interested in working on a new venture must submit a description of the idea, its technical merit, and the ability of the student to execute the project for evaluation and approval. Once the idea is approved, students work on the idea under the guidance of the faculty and advisors and strive to make significant progress. Students interested in working with a corporation will work on a project of strategic importance and make a measurable impact. The MSENSI staff will try to match students' interests with the needs of corporations participating in the program. All students will provide status reports on a regular basis and receive faculty and/or mentor coaching during the capstone course. Students will provide a written report and oral presentation on their achievement at the conclusion of the semester.

ENSI 6222 Capstone Project 2 (3 semester hours)

Students continue to work on their capstone project from the spring semester under the guidance of faculty members and advisors. Students will provide a written report and oral presentation of the completed project at the conclusion of each semester.

ENTR 1310 Fundamentals of Entrepreneurship (4 semester hours)

The course introduces students to the basic concepts in entrepreneurship and the role entrepreneurship plays in society. It engages students in various experiential learning exercises to spark their interest in the subject and expand their entrepreneurial competencies, e.g., creativity, initiative, etc. A key assignment in the course challenges students to identify problems and conduct research in one or more industries and devise one (or more) feasible solution(s). Finally, the course introduces students to the different pathways in the major and potential career options early in their educational process.

ENTR 1398 Special Studies (1-4 semester hours)**ENTR 2310 Technology Trends, Opportunities, and Tools (4 semester hours)**

The course provides students with a basic understanding and appreciation of the history and processes of scientific discoveries and technological developments—and their remarkable effects on new business opportunities. It introduces students to some of the most current technological developments, trends, and issues (e.g., possibilities and limitations) in such relevant fields as artificial intelligence, internet of things, clean-tech, and biotechnology. The course also explores such relevant business concepts such as disruptive technologies, first-mover advantage, economics of increasing returns, technology/product lifecycle, piracy, and technology stands, among others. The course intends to prepare students to appreciate and identify the immense business opportunities that arise from new scientific discoveries and technological developments. Lastly, the course introduces students to several technology tools (e.g., Photoshop, SolidWorks [simplified version], 3D-printing, Slack, etc.) that will aid them in their subsequent courses.

Prerequisite: ENTR 1310.

ENTR 2398 Special Studies (1-4 semester hours)**ENTR 3300 Technology Trends, Opportunities, and Tools (4 semester hours)**

The course provides students with a basic understanding and appreciation of the history and processes of scientific discoveries and technological developments—and their remarkable effects on new business opportunities. It introduces students to some of the most current technological developments, trends, and issues (e.g., possibilities and limitations) in such relevant fields as artificial intelligence, internet of things, clean-tech, and biotechnology. The course also explores such relevant business concepts such as disruptive technologies, first-mover advantage, economics of increasing returns, technology/product lifecycle, piracy, and technology stands, among others. The course intends to prepare students to appreciate and identify the immense business opportunities that arise from new scientific discoveries and technological developments. Lastly, the course introduces students to several technology tools (e.g., Photoshop, SolidWorks [simplified version], 3D-printing, Slack, etc.) that will aid them in their subsequent courses.

Prerequisites: ENTR 1310

ENTR 3320 Real Estate Finance, Investment, and Entrepreneurship (4 semester hours)

This course introduces students to gathering relevant data (both primary and secondary data) to build financial models for analyzing, interpreting, and making decisions on evaluation of alternative real estate investment opportunities with alternative financial structures. Hands-on entrepreneurial learning makes use of cases, gathering primary data, financial modeling, and estimating the most an investor should pay for a specific property. More specifically, this course includes determining a property's "investment value," financing strategy, risk analysis, taxation, market area supply and demand analysis by property type (e.g., single-family homes, apartments, office, retail, warehouses, and other industrial properties), alternative investment ownership (e.g., sole proprietorships, REITs, Limited Partnerships, LLCs, etc.), as well as evaluating alternative financing instruments in both primary and secondary markets.

Prerequisites: ENTR 1310 and ENTR 2310; BCOR 3410 or FNCE 3400.

ENTR 3325 Real Estate Development (4 semester hours)

This course is designed to introduce students to the intricacies of real estate development with the focus on multifamily and mixed-use properties. As the developer, there are multiple facets of the process that require skill and determination. Subjects covered are land acquisition and locational attributes; zoning and entitlements; project design and feasibility; construction costs; financial analysis; obtaining financing and partners; managing construction and the general contractor; lease-up, operations and property management; and finally, sale and/or resolution and repayment to lenders and partners. The course will introduce all these elements and teach students through real development transactions being built in the marketplace.

Prerequisites: ENTR 1310 and BCOR 3410 or FNCE 3400.

ENTR 3340 International Entrepreneurship (4 semester hours)

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. The course includes a feasibility study of an international small business venture start up, case study, and experiential learning.

(See INBA 4840 and MGMT 4660.)

Prerequisites: BCOR 3860, ENTR 1310.

ENTR 3350 New Venture Creation (4 semester hours)

This course has been designed to provide students with an overall understanding of the concept of entrepreneurship and small business management, and to prepare them for starting, surviving, and succeeding in business. A major thrust of this course is developing a solid business concept, which involves identifying problems, finding one or more solutions, building a series of Minimal Viable Products (MVPs) and testing/validating the concept (market validation), modifying the business model (pivoting), and formulating a professionally constructed workable plan (business pitch deck/plan).

Prerequisites: ENTR 1310 and MATH 112.

ENTR 3356 Entrepreneurial Finance (2 semester hours)

The Entrepreneurial Finance course equips students the key relevant skills necessary for financial planning and projections for a startup or a new project. In addition, the course introduces students to the various concepts, resources, and strategies for financing a new and growing venture. Finally, students evaluate the key tactics and approaches to negotiation when attempting to structure a deal for a new venture and explore the different exit alternatives and strategies.

Prerequisites: ENTR 1310 and ENTR 2310.

ENTR 3357 Entrepreneurial Marketing (2 semester hours)

The Entrepreneurial Marketing portion examines the marketing strategies and methods used by successful startups and early stage companies that make best use of their limited resources. It also introduces students to marketing/sales tools, methods, and metrics that are useful in an entrepreneurial setting (e.g., "growth marketing" techniques), including online advertising as well as several unconventional methods. Lastly, it offers practical lessons for planning, designing, and maximizing sales through crowdfunding, Shopify website, and Amazon, among others.

Prerequisites: ENTR 1310 and ENTR 2310.

ENTR 3360 Corporate Entrepreneurship and Innovation (4 semester hours)

This course examines the challenges and opportunities for managers, employees, and organizations in creating and maintaining a culture and organizational design that foster intrapreneurial endeavors. It also reviews the role of corporate entrepreneurship in building and sustaining innovation within organizations. The course also examines the critical role of corporate culture in driving corporate entrepreneurship, and the nature of individual thinking style and leadership style in organizations demonstrating effective corporate entrepreneurship.

Prerequisites: ENTR 1310 and ENTR 2310.

ENTR 3370 Entrepreneurial Acquisitions (4 semester hours)

Entrepreneurial Acquisitions introduces an alternative path into business ownership. Students gain a deep understanding and appreciation for small business ownership and the transition of ownership. Assignments require students to find real business professionals in the community and recruit them to participate in their final exam simulation project where they present and negotiate an acquisition offer after creating Deal Search Memo, LOI, Due Diligence Checklist, Valuations, Deal Structure, and Purchase Agreements. The course includes visits to small businesses, case studies, and guest speakers.

Prerequisites: ENTR 1310 and ENTR 2310.

Juniors and seniors only.

ENTR 3385 Entrepreneurial Leadership (4 semester hours)

Entrepreneurial leadership involves vision, perspective, opportunity-alertness, empathy, innovativeness, and logical thinking, etc. The course starts with the fundamentals of professionalism including mannerism, communication, and self-discipline, and proceeds to cover the above-mentioned essential attributes and skills required to be a successful entrepreneurial leader. Also discussed in length are the impacts of current affairs (domestic and international) and macroeconomics on businesses as well as the real estate market. Guest speakers are brought in to provide alternative viewpoints and share their experiences.

Juniors and seniors only.

Permission of instructor required.

ENTR 3390 Product and Business Design (4 semester hours)

This course, a joint venture between LMU and OTIS College of Design (or an equivalent institution/department), provides an overview of the key concepts, frameworks, and issues in product design and development. Students are expected to learn to work effectively in an interdisciplinary team to construct a business concept, design a new product, and complete a prototype.

Prerequisites: ENTR 3350 and ENTR 3360 or ENTR 4340.

ENTR 3398 Special Studies (1-4 semester hours)**ENTR 4260 Law for the Entrepreneur (4 semester hours)**

This course addresses the legal aspects of entrepreneurship. Entrepreneurs face many challenges as they pursue a new business idea. With the right legal tools, they can take steps that provide significant legal protections and avoid future liability. In addition to discussing applicable legal rules, the course will focus on practical steps entrepreneurs can take to build and protect a new venture or small business. The goal of the course will be for students to have a better understanding of practical ways they can protect a new venture or small business and spot potential issues from a business-legal perspective.

Prerequisite: BCOR 2210.

ENTR 4310 Entrepreneurial Finance (4 semester hours)

In this course, students are introduced to the financial aspects of small businesses and entrepreneurial ventures. The key topics include evaluating new business ideas and ventures, reading and understanding financial statements of rapidly growing companies, and developing financing strategies. We also discuss various debt and equity alternatives of financing, the different valuation techniques, and key tactics and approaches to negotiating term sheets.

(See FNCE 4410.)

Prerequisites: ENTR 1310; BCOR 3410 or FNCE 3400.

ENTR 4325 Real Estate Development (4 semester hours)

This course is designed to introduce students to the intricacies of real estate development with the focus on multifamily and mixed-use properties. As the developer, there are multiple facets of the process that require skill and determination. Subjects covered are land acquisition and locational attributes; zoning and entitlements; project design and feasibility; construction costs; financial analysis; obtaining financing and partners; managing construction and the general contractor; lease-up, operations and property management; and finally, sale and/or resolution and repayment to lenders and partners. The course will introduce all these elements and teach students through real development transactions being built in the marketplace.

Prerequisites: ENTR 1310 and ENTR 2310 ; BCOR 3410 or FNCE 3400 .

ENTR 4340 International Entrepreneurship (4 semester hours)

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. The course includes a feasibility study of an international small business venture start up, case study, and experiential learning.

(See INBA 4840.)

Prerequisites: BCOR 3860, ENTR 1310, and ENTR 2310.

ENTR 4360 International Entrepreneurship (3 semester hours)

Focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. This course includes a feasibility study of an international small business venture start up, case study , and experiential learning.

(See INBA 4860 and MGMT 4660.)

Prerequisites: INBA 3810 and MGMT 3610)

ENTR 4370 Product and Business Design (4 semester hours)

This course, a joint venture between LMU and OTIS College of Design (or an equivalent institution/department), provides an overview of the key concepts, frameworks, and issues in product design and development. Students are expected to learn to work effectively in an interdisciplinary team to construct a business concept, design a new product, and complete a prototype.

Prerequisites: ENTR 3350 and ENTR 3360 or ENTR 4340.

ENTR 4380 Business Incubation (4 semester hours)

In this course, students will develop first-hand experience in starting, planning, running, and growing one or more new (or relatively new) venture(s). Each startup will set clear goals and milestones in the beginning weeks of the semester and will work diligently to achieve them by its end. While student learning is the primary goal of the course, students are also expected to move their startups forward and get a taste of success. Upon completion of the course, students will have turned an idea into an exciting and feasible business concept. This course is required for Entrepreneurship majors pursuing the Startup Entrepreneurship pathway.

Prerequisites: ENTR 3350 and ENTR 3360 or ENTR 4340.

ENTR 4381 Managing New Ventures (4 semester hours)

This course is designed to provide students with theoretical and practical knowledge about new and young businesses. Print and live cases will be used to facilitate in-depth exploration of the typical start-up, operating, and growth challenges facing entrepreneurial companies. Guest speakers (founders of or investors in new ventures) will share their entrepreneurial journeys. Students will participate in a team project where they meet with the founder(s) of a local entrepreneurial venture, identify key challenges facing that venture, and develop an in-depth plan to address those challenges.

This course fulfills the capstone course requirements for Entrepreneurship majors pursuing the Startup Entrepreneurship pathway and Corporate Entrepreneurship pathway.

Prerequisites: ENTR 3350; ENTR 3360 or ENTR 4340.

ENTR 4382 Leading and Managing Change (4 semester hours)

This course is designed to provide first-hand experience to the issues and processes of leading and managing change inside of an organization. It introduces students to the real-world issues facing organizations, the resources and barriers to innovation, as well as the strategies and processes for realizing the needed change. The course draws on a broad selection of readings, cases, guest speakers, and a consulting project to examine how organizational issues are identified, analyzed, and resolved in the process of implementing change. A highlight of the course is the formation of student teams for the undertaking of real projects for local companies (for-profit or non-profit organizations). The teams consult with the "client" organizations, develop project proposals, and get hands-on experience through the consulting process. This course is required for Entrepreneurship majors pursuing the Corporate Entrepreneurship pathway.

Prerequisites: ENTR 3350 and ENTR 3360 or ENTR 4340.

ENTR 4383 Social Entrepreneurship (4 semester hours)

In this course, students are introduced to the field of social entrepreneurship—the process of using entrepreneurial mindset and business skills to create innovative approaches to societal problems. The course explores various concepts and examples of social entrepreneurship (not-for-profit and for-profit) through theory and case studies. Moreover, students will utilize their creativity to explore their own solutions to one or more social problems. A highlight of the course is the formation of student teams for the undertaking of real projects for local companies (for-profit or non-profit organizations). The teams consult with the "client" organizations, develop project proposals, and get hands-on experience through the consulting process. This course is required for Entrepreneurship majors pursuing the Social Entrepreneurship pathway.

Prerequisites: ENTR 3350 and ENTR 3360 or ENTR 4340.

ENTR 4385 Entrepreneurial Leadership (4 semester hours)

Entrepreneurial leadership involves vision, perspective, opportunity-alertness, empathy, innovativeness, and logical thinking, etc. The course starts with the fundamentals of professionalism including mannerism, communication, and self-discipline, and proceeds to cover the above-mentioned essential attributes and skills required to be a successful entrepreneurial leader. Also discussed in length are the impacts of current affairs (domestic and international) and macroeconomics on businesses as well as the real estate market. Guest speakers are brought in to provide alternative viewpoints and share their experiences.

Juniors and seniors only.

Permission of instructor required.

ENTR 4398 Special Studies (1-4 semester hours)**ENTR 4399 Independent Studies (1-4 semester hours)**

Permission of the Associate Dean required.

ENVS 101 Introduction to Environmental Science (3 semester hours)

Introduction to the study of environmental science. Examination of issues and problems associated with the environment including examples from air, water, and soil pollution and some remediation strategies.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

ENVS 102 Environmental Science and Sustainability (3 semester hours)

Introduction to basic scientific principles for understanding a broad range of environmental and sustainability issues facing our society. The course will introduce environmental systems and the physical, chemical, and biological interconnectedness of Earth's ecosystems. Basic connections between the land, ocean, atmosphere, and biosphere, and the underlying science associated with anthropogenic impacts on these systems will be studied. Topics include: environmental systems, ecosystems, biodiversity, global climate change, and energy sources. Best practices for a sustainable environment will be emphasized throughout the course.

ENVS majors and ENVS minors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

ENVS 112 Environmental Field Sampling and Data Analysis (1 semester hour)

This introductory field and lab course will test hypotheses related to environmental systems using experimental design. Students will collect environmental samples (water, air, soil, plant, etc.) to assess and monitor a range of environmental systems (e.g., coastal ocean, wetlands, air, etc.). The samples will be analyzed using varied laboratory analytical methods. The laboratory results will be evaluated using introductory statistical methods and compared to environmental regulations to assess environmental health.

Corequisite: ENVS 102.

ENVS majors only.

ENVS 190 Environmental Science Seminar (0 semester hours)

This course introduces first-year and transfer Environmental Science majors to useful resources and opportunities including course registration best practices, research and internship opportunities, and career planning. Students will become familiar with the ENVS Program through interactions with ENVS Faculty Affiliates as well as current and former ENVS students. In this way, ENVS 190 grows our ENVS community.

ENVS Majors only.
CR/NC 0 units.

ENVS 198 Special Studies (0-3 semester hours)**ENVS 199 Independent Studies (0-3 semester hours)****ENVS 210 Surveying and Mapping (4 semester hours)**

Study of basic surveying instruments and related computations for topographic surveys, horizontal and vertical curves, and the design of highways. The course will include computer aided design and geographic information systems (applications of AutoCAD to civil engineering design and fundamentals of GIS using ArcView).

Prerequisite: MATH 123.
University Core fulfilled: Flag: Information Literacy.

ENVS 240 Environmental Statistical Analysis and GIS (4 semester hours)

Introduction to basic methods of extracting and presenting information from environmental data with a focus on statistical analysis, interpretation of results, and mapping of results. Classical tools of hypothesis testing (e.g. t tests and ANOVA) will be covered along with variability and error analysis. Mapping data will include basic survey tools and an introduction to geographic information systems. Students will apply these tools to real-world environmental data sets.

Prerequisites: ENVS 102, EVS 112.
ENVS majors only or consent of Program Director.

ENVS 250 Earth System Science (3 semester hours)

An introductory exploration of how the Earth works. Focus is placed on connecting the Earth systems - the solid Earth, atmosphere, oceans, and biosphere - through the cycling of chemical elements and energy. The course will also discuss significant anthropogenic impacts to the natural Earth system.

Prerequisites: CHEM 110 and 112.

ENVS 263 Surfing and the Ocean Realm (3 semester hours)

Various basic principles of oceanography, meteorology, and marine biology are explored as applied to the art of surfing. Topics include the genesis, propagation, and dynamics of waves; marine weather systems and surf prediction; marine organisms; and marine pollution issues of concern to surfers.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

ENVS 275 The Automobile and the Environment (3 semester hours)

The study of geologic processes in mineral formation, world-wide distribution, and commercial value to human societies.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

ENVS 276 Atmospheric Science (3 semester hours)

The study of general phenomena of weather; including storms, atmospheric disturbances, and possible effects of pollution. This course involves weather forecasting using real-time meteorological data.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

ENVS 279 Principles of Environmental Sustainability (3 semester hours)

This course explores the reality that the most difficult and enduring challenges are not merely technical but also social and institutional. An introduction to the basic science behind key environmental issues is provided along with tools for analyzing the social and institutional underpinnings of environmental conflict, and strategies to move towards sustainability.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

ENVS 297 Independent Research (0-3 semester hours)

Independent undergraduate research mentored by a faculty member.

Credit/No Credit
Permission of instructor required.

ENVS 298 Special Studies (1-3 semester hours)**ENVS 310 Oceanography (3 semester hours)**

The basic concepts of physical and biological oceanography will be presented.

Prerequisites: BIOL 101, 102, 111, 112; CHEM 110, 111, 112, 113.

ENVS 318 Ecology with Lab (5 semester hours)

(See BIOL 318.)

ENVS 320 Intro to Environmental Engr (3 semester hours)

Introduction to elements of water treatment, water pollution control, solid and hazardous waste disposal, and air pollution control. The interrelationships of the movement of pollutants between the land, air, and water media are discussed.

ENVS 350 Earth System Science (3 semester hours)

An in-depth exploration of how the Earth works. Focus is placed on the complex interactions between the Earth systems " the solid Earth, atmosphere, oceans, and biosphere " through the cycling of chemical elements and energy. The course will also discuss significant anthropogenic impacts to the natural Earth system.

Prerequisites: CHEM 110 and CHEM 112.

ENVS 356 Sustainable Practices (3 semester hours)

(See CHEM 356.)

ENVS 357 Environmental Chemistry: Atmosphere and Climate (3 semester hours)

A study of chemical processes in the environment. Topics include stratospheric ozone depletion, the greenhouse effect, climate change, air pollution, and non-renewable sources of energy.

Prerequisites: CHEM 112 or CIVL 320.

ENVS 358 Environmental Chemistry: Water, Soil, and Sediment (3 semester hours)

A study of chemical processes in the environment. Topics include renewable sources of energy, water chemistry, water purification, sewage treatment, pesticides, solid waste, soils and sediments.

Prerequisites: CHEM 110 and CHEM 112.

ENVS 359 Environmental Chemistry Laboratory (1 semester hour)

Analysis to determine pollutants found in air, water, soil systems; emphasis on the use of instrumental methods and techniques.

Prerequisites: CHEM 110, CHEM 111, CHEM 112, and CHEM 113.

Pre- or Corequisites: CHEM 357 or CHEM 358 or ENVS 357 or ENVS 358.

ENVS 361 General Microbiology (3 semester hours)

(See BIOL 361.)

ENVS 362 General Microbiology Laboratory (1 semester hour)

(See BIOL 362.)

ENVS 397 Independent Research with Faculty (0-3 semester hours)

Independent undergraduate research mentored by a faculty member.

Credit/No Credit

Permission of instructor required.

ENVS 398 Special Studies (1-3 semester hours)**ENVS 399 Independent Studies (1-4 semester hours)****ENVS 460 Environmental Microbiology (4 semester hours)**

Introduction to the diversity of microorganisms and their role in ecological and environmental processes in soil, water, and air; environmental services provided by microorganisms; and how microbial functions are utilized in managed and artificial systems.

Prerequisites: BIOL 1010, BIOL 2010; and CHEM 220 or ENVS 358.

Permission of instructor required.

ENVS 470 Environmental Monitoring: Practice and Impacts (1 semester hour)

Students will learn about how federal and state governments protect the environment through environmental monitoring. They will be exposed to the inner workings of local regulatory agencies. Students will learn how to choose optimal environmental monitoring methods, collect and analyze data, and assess the outcome with respect to an established standard. They will understand the importance of effective monitoring for informing future legislative and regulatory efforts as well as identifying populations impacted by environmental injustice and systematic inequities so that bad actors can be held accountable.

ENVS majors only or permission of Program Director

ENVS 491 Environmental Science Capstone I (1 semester hour)

Work on a research project within the field of environmental science. Focus will be on conducting a literature review, developing an experimental procedure, and collection of data for the project.

Majors only or permission of Director required.

ENVS 492 Environmental Science Capstone II (1 semester hour)

Work on a research project within the field of environmental science. Focus will be on determining results and discussion of results, preparation for presentation, and write up of paper for submission for the project.

Prerequisite: ENVS 491.

Majors only or permission of Director required.

University Core fulfilled: Oral Skills.

ENVS 493 Environmental Science Internship (1-4 semester hours)

The goal of this course is for students to gain work experience in a real-world setting focused on environmental science and immerse themselves in contemporary environmental issues. Students reflect on these experiences and assess their growth in becoming "people for others" while working to discern their career goals.

ENVS majors only, or consent by Program Director.

University Core fulfilled: Flag: Engaged Learning.

Standard Grade.

May repeat for credit.

ENVS 495 Environmental Science Teaching (0-1 semester hours)

Guided teaching of the undergraduate laboratories.

May be repeated for credit up to 8 semester hours.

Credit/No Credit only.

Permission of Program Director required.

ENVS 497 Independent Research with Faculty (0-3 semester hours)

Independent undergraduate research mentored by a faculty member.

Credit/No Credit

Permission of instructor required.

ENVS 498 Special Studies (1-4 semester hours)**ENVS 499 Independent Studies (1-4 semester hours)****ENVS 502 Applied Environmental Microbiology (3 semester hours)**

Emphasis on the practical physical and biochemical aspects of bacterial metabolism and behavior in the environment as applied to environmental engineering and environmental science; kinetics and energetics of microbial growth as applied to wastewater treatment, biosolids stabilization, and biogas generation.

Prerequisite: CIVL 320 or ENVS 358.

ENVS 505 Aquatic Chemistry (3 semester hours)

Review of stoichiometry, oxidation-reduction reactions, thermodynamics, and chemical kinetics. Equilibrium chemistry concepts including acid-base, gas, and solid-liquid equilibria applied to aquatic systems with an emphasis on problem-solving methods to determine chemical speciation and pH effects in natural and treated aquatic systems.

Prerequisite: CHEM 110 or CHEM 114.

ENVS 506 Applied Environmental Microbiology (3 semester hours)

Emphasis on the practical physical and biochemical aspects of bacterial metabolism and behavior in the environment as applied to environmental engineering and environmental science; kinetics and energetics of microbial growth as applied to wastewater treatment, biosolids stabilization, and biogas generation.

Prerequisite: CIVL 320 or ENVS 358.

ENVS 507 Environmental Engineering and Science Lab (3 semester hours)

Students will learn the theory, application, and techniques of several key environmental laboratory tests and methods of instrumental analysis associated with environmental monitoring and wastewater treatment operations. Tests will be performed on samples collected from various field sites (e.g., Ballona Creek, Dockweiler Beach), local wastewater treatment facilities, or during a field trip to Ballona Wetlands. Students will develop strong technical and scientific writing skills throughout the course.

Prerequisite: CIVL 320 or ENVS 358.

ENVS 508 Contaminant Fate, Transport, and Remediation (3 semester hours)

Introduction to physical, chemical, and biological processes governing the movement and fate of contaminants in the surface and coastal water environment. Practical quantitative problems solved based on contaminant mass transport, equilibrium partitioning, and chemical transformations in the environment. Regulatory implications and remediation approaches.

Prerequisite: CIVL 320 or ENVS 358.

ENVS 551 Remote Sensing with Civil Engineering and Environmental Science Applications (3 semester hours)

The course introduces the fundamental concepts of remote sensing from space, remote sensing data, and image data processing. Topics include characteristics of electromagnetic spectrum and remote sensing devices, digital processing methods for interpreting, manipulating and analyzing remotely-sensed image data, and applications of satellite remote sensing to civil engineering and environmental fields.

Prerequisite: MATH 112 or MATH 122 or MATH 131.

ENVS 552 Spatial Data Analysis and Geographical Information Systems (3 semester hours)

Concepts, principles, and use of geographic information systems (GIS) to investigate spatial patterns associated with physical and social processes. Specific topics include dataset management, site suitability analysis, modeling, remote sensing, cartography and visualization, with a focus on civil and environmental engineering and environmental science applications.

Juniors and seniors only.

ENVS 578 Research Civil Engr & Env Sci (3 semester hours)**ENVS 580 Engineering Geology (3 semester hours)**

Evaluation of the significance of geologic origin, composition, and structure on the characteristics of soils and rocks. Influence geology and plate boundary impacts have on design and construction of engineering projects.

ENVS 581 Ecosystem Services in Urban Landscapes (3 semester hours)

This course focuses on the concept of ecosystem services and how they are integrated into urban watersheds to make cities more sustainable and resilient to a changing climate. Key topics include the structure and dynamics of watersheds, the impacts of poor resource management and pollution to environmental quality within urban watersheds, and reestablishing ecosystem services through green infrastructure and similar strategies, and habitat restoration activities. Material is learned through class discussions, presentations by guest researchers and resource managers, several mandatory weekend field trips, and class projects.

ENVS 582 Urban Coasts: Habitats, Stressors, and Resilience (3 semester hours)

Urban coastal regions provide a wealth of ecosystem services associated with their shallow marine, shoreline, estuarine, and wetland habitats, but are under constant stresses from human activities and a changing climate. Through this course, students will learn about: 1) the nature of coastal habitats; 2) the natural and anthropogenic interactions between oceanic, coastal, and watershed processes impacting these habitats; and 3) policies and strategies, both behavioral and structural, to mitigate stressors resulting in more resilient coastal cities.

ENVS 583 Environmental Toxicology and Health Risk (3 semester hours)

An introduction to the principles of risk assessment, perception of risk and risk communication as it relates to chemicals, pathogens, and radiation in the environment and their effect on humans and animals considering dermal, ingestion, and inhalation pathways; chronic daily intake, potency factors, dose response, bioconcentration, and bioaccumulation are discussed along with regulatory fundamentals.

ENVS 584 Climate Change and Impacts (3 semester hours)

Overview of Earth's climate system and exploration of the science, impacts, and politics of global climate change. Specific topics include the greenhouse effect; climate drivers; atmospheric and oceanic circulations; observations and projections; climate modeling; politics; vulnerability; resiliency, adaption, and mitigation; impacts on water resources, extreme climate events, and agriculture.

ENVS 586 Climate Change Mitigation (3 semester hours)

Opportunities and challenges of climate change mitigation in different sectors such as energy, agriculture, health, transport, housing, urban planning, etc. Co-benefits to the environment and health of climate change mitigation policies at the local, urban, national, and global levels. Linkages with the Paris Climate Change Treaty and the National Determined Contributions.

ENVS 587 Climate Change Adaptation and Resilience (3 semester hours)

Current and future climate impacts on planetary and human health, ecosystems, food systems, socioeconomic determinants, human security, etc. Vulnerability issues. Opportunities of climate adaptation and resilience. Disaster Risk Reduction and Risk Management. Climate adaptation strategies, policies, and planning at the community, city, national, and global levels. The Paris Climate Change Treaty and adaptation in the National Determined Contributions.

ENVS 588 Environmental Health (3 semester hours)

Introduction to the field of environmental health sciences. Examination of series of topics relevant to science of environmental health (e.g., population, agriculture/food, microbiology, energy, climate change, water, waste, air) by introducing scientific basis from ecological perspective and describing how topics relate to health. Risk assessment, risk management, and risk communication. Application of scientific information to real world problems and ability to communicate effectively with different stakeholders. Emerging issues and solutions.

ENVS 589 Sustainability, Health, and Equity (3 semester hours)

Sustainability Development goals and practices to protect the planet, human health, welfare, equality, biodiversity, oceans, peace, etc. as part of the new sustainable development 2030 agenda with a focus on health and equity targets. Sustainable production and consumption, sustainable cities, climate action, education, etc. Inter-sectoral, innovative, socio-economic, and environmentally sustainable and equitable solutions. Design an implementation strategy for a specific community on a specific item that is part of one of the 17 Sustainable Development Goals. Emerging circular economy.

ENVS 593 Environmental Science Internship Workshop (1-4 semester hours)

Advanced work experience in the field of environmental science in a research, industry, or municipal setting.

ENVS 598 Special Studies (1-4 semester hours)**ENVS 599 Independent Studies (1-4 semester hours)****ENVS 601 Sustainable Water Quality and Resources (3 semester hours)**

Review of stoichiometry, oxidation-reduction reactions, thermodynamics, and chemical kinetics. Equilibrium chemistry concepts including acid-base, gas, and solid-liquid equilibria applied to aquatic systems with an emphasis on problem-solving methods to determine chemical speciation and pH effects in natural and treated aquatic systems.

ENVS 605 Aquatic Chemistry (3 semester hours)

Review of stoichiometry, oxidation-reduction reactions, thermodynamics, and chemical kinetics. Equilibrium chemistry concepts including acid-base, gas, and solid-liquid equilibria applied to aquatic systems with an emphasis on problem-solving methods to determine chemical speciation and pH effects in natural and treated aquatic systems.

ENVS 606 Applied Environmental Microbiology (3 semester hours)

Emphasis on the practical physical and biochemical aspects of bacterial metabolism and behavior in the environment as applied to environmental engineering and environmental science; kinetics and energetics of microbial growth as applied to wastewater treatment, biosolids stabilization, and biogas generation.

Prerequisite: CIVL 601 or ENVS 605.

ENVS 607 Environmental Engineering and Science Lab (3 semester hours)

Students will learn the theory, application, and techniques of several key environmental laboratory tests and methods of instrumental analysis associated with environmental monitoring and wastewater treatment operations. Tests will be performed on samples collected from various field sites (e.g., Ballona Creek, Dockweiler Beach), local wastewater treatment facilities, or during a field trip to Ballona Wetlands. Students will develop strong technical and scientific writing skills through the course.

Prerequisite: CIVL 601 or ENVS 605.

ENVS 608 Contaminant Fate, Transport, and Remediation (3 semester hours)

Introduction to physical, chemical, and biological processes governing the movement and fate of contaminants in the surface and coastal water environment. Practical quantitative problems solved based on contaminant mass transport, equilibrium partitioning, and chemical transformations in the environment. Regulatory implications and remediation approaches.

Prerequisite: CIVL 601 or ENVS 605.

ENVS 651 Remote Sensing with Civil Engineering and Environmental Science Applications (3 semester hours)

The course introduces the fundamental concepts of remote sensing from space, remote sensing data, and image data processing. Topics include characteristics of electromagnetic spectrum and remote sensing devices, digital processing methods for interpreting, manipulating and analyzing remotely-sensed image data, and applications of satellite remote sensing to civil engineering and environmental fields.

ENVS 652 Spatial Data Analysis and Geographical Information Systems (3 semester hours)

Concepts, principles, and use of geographic information systems (GIS) to investigate spatial patterns associated with physical and social processes. Specific topics include dataset management, site suitability analysis, modeling, remote sensing, cartography and visualization, with a focus on civil and environmental engineering and environmental science applications.

ENVS 678 Research Civil Engr & Env Sci (3 semester hours)

This course is designed to provide undergraduates and graduate students with research opportunities and better prepare undergraduates for advanced degrees. Students perform research in accordance with the scientific methodology in areas civil engineering, environmental engineering, and/or environmental science under the supervision of a research advisor who may or may not be the primary course instructor. The precise research topic is selected together by each student and/or advisor. Topics include the research process; hypothesis formulation and testing; modern scientific research; relevant research topics; analysis of scientific articles; data interpretation; critical assessment of public opinion versus scientific evidence; and article, report, and presentation preparation.

Permission of instructor required.

ENVS 680 Engineering Geology (3 semester hours)

Evaluation of the significance of geologic origin, composition, and structure on the characteristics of soils and rocks. Influence geology and plate boundary impacts have on design and construction of engineering projects.

ENVS 681 Ecosystem Services in Urban Landscapes (3 semester hours)

This course focuses on the concept of ecosystem services and how they are integrated into urban watersheds to make cities more sustainable and resilient to a changing climate. Key topics include the structure and dynamics of watersheds, the impacts of poor resource management and pollution to environmental quality within urban watersheds, and reestablishing ecosystem services through green infrastructure and similar strategies, and habitat restoration activities. Material is learned through class discussions, presentations by guest researchers and resource managers, several mandatory weekend field trips, and class projects.

ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience (3 semester hours)

Urban coastal regions provide a wealth of ecosystem services associated with their shallow marine, shoreline, estuarine, and wetland habitats, but are under constant stresses from human activities and a changing climate. Through this course, students will learn about: 1) the nature of coastal habitats; 2) the natural and anthropogenic interactions between oceanic, coastal, and watershed processes impacting these habitats; and 3) policies and strategies, both behavioral and structural, to mitigate stressors resulting in more resilient coastal cities.

ENVS 683 Environmental Toxicology and Health Risk (3 semester hours)

An introduction to the principles of risk assessment, perception of risk and risk communication as it relates to chemicals, pathogens, and radiation in the environment and their effect on humans and animals considering dermal, ingestion, and inhalation pathways; chronic daily intake, potency factors, dose response, bioconcentration, and bioaccumulation are discussed along with regulatory fundamentals.

ENVS 684 Climate Change and Impacts (3 semester hours)

Overview of Earth's climate system and exploration of the science, impacts, and politics of global climate change. Specific topics include the greenhouse effect; climate drivers; atmospheric and oceanic circulations; observations and projections; climate modeling; politics; vulnerability; resiliency, adaption, and mitigation; impacts on water resources, extreme climate events, and agriculture.

ENVS 686 Climate Change Mitigation (3 semester hours)

Opportunities and challenges of climate change mitigation in different sectors such as energy, agriculture, health, transport, housing, urban planning, etc. Co-benefits to the environment and health of climate change mitigation policies at the local, urban, national, and global levels. Linkages with the Paris Climate Change Treaty and the National Determined Contributions.

ENVS 687 Climate Change Adaptation and Resilience (3 semester hours)

Current and future climate impacts on planetary and human health, ecosystems, food systems, socioeconomic determinants, human security, etc. Vulnerability issues. Opportunities of climate adaptation and resilience. Disaster Risk Reduction and Risk Management. Climate adaptation strategies, policies, and planning at the community, city, national, and global levels. The Paris Climate Change Treaty and adaptation in the National Determined Contributions.

ENVS 688 Environmental Health (3 semester hours)

Introduction to the field of environmental health sciences. Examination of series of topics relevant to science of environmental health (e.g., population, agriculture/food, microbiology, energy, climate change, water, waste, air) by introducing scientific basis from ecological perspective and describing how topics relate to health. Risk assessment, risk management, and risk communication. Application of scientific information to real world problems and ability to communicate effectively with different stakeholders. Emerging issues and solutions.

ENVS 689 Sustainability, Health, and Equity (3 semester hours)

Sustainability Development goals and practices to protect the planet, human health, welfare, equality, biodiversity, oceans, peace, etc. as part of the new sustainable development 2030 agenda with a focus on health and equity targets. Sustainable production and consumption, sustainable cities, climate action, education, etc. Inter-sectoral, innovative, socio-economic, and environmentally sustainable and equitable solutions. Design an implementation strategy for a specific community on a specific item that is part of one of the 17 Sustainable Development Goals. Emerging circular economy.

ENVS 690 Comprehensive Oral Exam (0 semester hours)

The oral examination provides an opportunity to assess the student's understanding of some of the fundamental principles of environmental engineering, water resources engineering, and/or environmental science. It provides an opportunity for the student to demonstrate her/his problem-solving abilities using knowledge learned through coursework and an indication of student accomplishment broader than what is obtained from conventional classroom assessment. The exam is generally offered on the Friday of final examinations week. Students can register for the class only if all of course requirements will be complete at the end of the semester in which they plan to take the exam.

Credit/No Credit only.

ENVS 695 Master Thesis (3 semester hours)

ENVS 696 Thesis Defense (0 semester hours)

Students who opt for a thesis must defend their research to a thesis committee in the form of a written thesis and an oral presentation. It is the intent of the thesis committee to determine if the student 1) has mastered the subject matter of the thesis, 2) understands the work done by others, and 3) can critically assess that work and his/her own work. No later than two weeks prior to the thesis defense presentation, the student must provide their written thesis to their thesis committee for review. The presentation should take no longer than one hour including questions and answers from the committee and audience. Immediately after the presentation, the committee will deem the thesis complete, complete with exceptions, or incomplete.

Credit/No Credit only.

ENVS 698 Special Studies (1-4 semester hours)**ENVS 699 Independent Studies (1-4 semester hours)****EVST 1000 Introduction to Environmental Studies (4 semester hours)**

The course is an overview of issues in environmental studies from the perspective of the humanities and social sciences. Topics may include philosophical, theological, historical, economic, and/or political analyses of environmental issues.

University Core fulfilled: Explorations: Understanding Human Behavior.

EVST 1010 Introduction to Geographic Information Systems (4 semester hours)

An introduction to geospatial and environmental research methods with an emphasis on the use of GIS as an essential methodology for the investigation and visualization of spatial data and multivariate environmental issues.

University Core fulfilled: Explorations: Nature of Sci, Tech, Math.

EVST 1100 The Urban World (4 semester hours)

See URBN 1000.

EVST 1998 Special Studies (1-4 semester hours)**EVST 1999 Independent Studies (1-4 semester hours)****EVST 2998 Special Studies (1-4 semester hours)****EVST 2999 Independent Studies (1-4 semester hours)****EVST 3010 Environmental Policy (4 semester hours)**

An examination of national/international public policies relevant to environmental issues. Course topics may include policies and relations germane to climate change, water rights/access, resource extraction, and biodiversity conservation.

EVST 3020 Sustainable Cities (4 semester hours)

An examination of the challenges of and potential solutions to the sustainability of socioeconomic, environmental, and ecological systems associated with historic, contemporary, and future urbanization. Course topics include an analysis of the sustainability of historic and contemporary cities, the consideration of sustainable alternatives associated with such trends as New Urbanism, and the potential for alternative urban policies and practices designed to foster sustainability.

EVST 3100 Urban Planning (4 semester hours)

See URBN 3045.

EVST 3110 Agriculture, Food, and Justice (4 semester hours)

An examination of the relationship between agrifood systems and social and environmental problems. Topics may include injustices such as farmworker and farm animal exploitation; the role of industrial agrifood systems in climate change; or food sovereignty.

EVST 3120 A Better World: Purpose and Place (4 semester hours)

See URBN 3200.

University Core fulfilled: Integrations: Ethics and Justice

EVST 3130 Environmental Justice (4 semester hours)

This course investigates the relationship between race, class, inequality, and the environment in domestic and international contexts. It reviews frameworks and methods for understanding the formation of environmental injustice, as well as various perspectives on the nature and meaning of justice. Course content includes case studies of environmental injustice, state-based legal and regulatory responses, and grassroots strategies for demanding environmental justice.

EVST 3998 Special Studies (1-4 semester hours)**EVST 3999 Independent Studies (1-4 semester hours)****EVST 4001 Environmental Studies Capstone Seminar (4 semester hours)**

A capstone seminar in which student groups will bring to bear the multidisciplinary and interdisciplinary perspectives they have developed in the minor by analyzing a local Environmental Impact Report (EIR) or similar local development issue.

EVST seniors only or by consent of the UREV Chair.

University Core fulfilled: Flag: Engaged Learning.

EVST 4998 Special Studies (1-4 semester hours)**EVST 4999 Independent Studies (1-4 semester hours)****FFYS 1000 First Year Seminar (3,4 semester hours)**

This is a required course for all first year students.

The Core experience begins with a First Year Seminar (FYS) that introduces students to the spirit of academic excellence and intellectual rigor at LMU. Aimed at improving students' written and oral communication skills, the FYS invites students to engage critically and reflectively with scholarly discourse in a variety of formats: written, oral, and visual. The topic for each section of the FYS is chosen and developed by its instructor within one of seven broad themes including 1) Faith and Reason, 2) Ethics and Justice, 3) Virtue and Justice, 4) Culture, Art, and Society, 5) Power and Privilege, 6) Globalization, and 7) Science, Nature, and Society.

FNCE 1401 Planning for a Career in Finance (0 semester hours)

This course helps students explore different career paths in Finance and learn about resources provided by the Finance department and the Career and Professional Development office. Students will also build a resume and practice mock interviews. Finance majors are strongly recommended to take this course during the first or second semester in the major. Recommended to be taken during student's first or second semester. Transfer students and students who switch into the Finance major at a later time are suggested to take this course during their first semester in the major.

Credit/No Credit only.

FNCE 2498 Special Studies (1-4 semester hours)**FNCE 3415 Valuation and Financial Statement Analysis (4 semester hours)**

This course will cover the theory and practice of financial statements analysis and valuation. Students will learn how to use theory and data to solve challenging business problems with incomplete information. Students will become comfortable with using financial modeling as a tool to help them perform financial analysis and make decisions.

Prerequisite: BCOR 3410 or FNCE 3400, with a grade of C (2.0) or higher.

FNCE 3420 Investments (4 semester hours)

The course will examine the sources and demand for investment capital, the determination of investment policy, and procedures for the analysis of security evaluation. Students will become competent in stock and bond valuation, capital asset pricing, options, portfolio computation, performance evaluation, and foreign exchange. Students will become familiar with investment statistics, primary and secondary markets, tax consequences, retirement planning, market efficiency, macroeconomics, and financial statement analysis.

Prerequisites: BCOR 2110 and BCOR 2120, and either BCOR 3410 or FNCE 3400, all with a grade of C (2.0) or higher.

FNCE 3440 Mergers and Acquisitions (4 semester hours)

This course will introduce students to the merger and acquisition process and alternative restructuring strategies including business alliances, divestitures, spin-offs, split-offs, carve-outs, and bankruptcy. The student will learn to develop acquisition plans as part of an investment banking team charged with implementing a firm's business strategy. The team will be responsible for valuing the target firm, negotiating and structuring the deal, and for resolving common tax, payment, accounting, and legal issues arising during transactions.

Prerequisite: FNCE 3415 with a grade of C (2.0) or higher.

FNCE 3456 Entertainment Finance (4 semester hours)

The overarching theme of this course is to study the different financial structures and challenges in each entertainment segment. Entertainment companies use a vast array of techniques to raise capital, budget their capital, and return cash to shareholders and other stakeholders, many of which will be explored. Students will also be exposed to the underlying business model of each segment to understand the financial and operational constraints under which these firms operate. The ultimate goal of the course is to prepare students for their first job in entertainment finance. Students should enroll in this course as early as possible in their academic career to take advantage of career connections built into the course.

Prerequisite: BCOR 3410 or FNCE 3400, with a grade of C (2.0) or higher.
University Core fulfilled: Explorations: Creative Experience.

FNCE 3488 Commercial Banking (4 semester hours)

This course will introduce students to the core credit practices of commercial lending, the key products within corporate banking and the interplay between the commercial and investment banks. Students will learn the fundamentals of credit analysis, risk mitigation and transaction underwriting for both cash flow and asset-backed loans. Students will be exposed to both structured and project finance, the regulatory and interest rate environments, revolving credit facilities, term loans, financial covenants and ratios, debt ratings, foreign exchange, interest rate derivatives, bank syndicates, asset-backed securitizations and Chapter 11 Bankruptcy. Students will apply their learned credit skills to analyze financial statements and capital structures to draft a complete underwriting credit application. The end goal of this course is to prepare students to work for and/or with commercial banks.

Prerequisites: BCOR 3410

Corequisites: FNCE 3415

FNCE 3497 Internship (1 semester hour)

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

FNCE 3498 Special Studies (1-4 semester hours)**FNCE 4410 Entrepreneurial Finance (4 semester hours)**

In this course, students are introduced to the financial aspects of small businesses and entrepreneurial ventures. The key topics include evaluating new business ideas and ventures, reading and understanding financial statements of rapidly growing companies, and developing financing strategies. We also discuss various debt and equity alternatives of financing, the different valuation techniques, and key tactics and approaches to negotiating term sheets.
(See ENTR 4310.)

Prerequisite: BCOR 3410 or FNCE 3400.

FNCE 4420 Real Estate Finance, Investment, and Entrepreneurship (4 semester hours)

This course introduces students to gathering relevant data (both primary and secondary data) to build financial models for analyzing, interpreting, and making investment decisions based upon evaluation of alternative real estate investment opportunities. Hands-on entrepreneurial learning makes use of cases, involvement of commercial real estate professionals, gathering primary data, risk analysis, and estimating the most an investor should pay for a property. More specifically, this course includes determining a property's after-tax cash flows, "investment value," and financing strategy based upon market area supply and demand analysis by property type (e.g., single-family homes, apartments, office, retail, warehouses, and other industrial properties), taking into account alternative investment ownership (e.g., sole proprietorships, REITs, Limited Partnerships, LLCs, etc.), as well as evaluating alternative financing instruments in both primary and secondary markets.
(See ENTR 4320.)

Prerequisite: BCOR 3410 or FNCE 3400 with a grade of C (2.0) or higher.

FNCE 4425 Real Estate Development (4 semester hours)

This course is designed to introduce students to the intricacies of real estate development with the focus on multifamily and mixed-use properties. As the developer, there are multiple facets of the process that require skill and determination. Subjects covered are land acquisition and locational attributes; zoning and entitlements; project design and feasibility; construction costs; financial analysis; obtaining financing and partners; managing construction and the general contractor; lease-up, operations and property management; and finally, sale and/or resolution and repayment to lenders and partners. The course will introduce all these elements and teach students through real development transactions being built in the marketplace.

FNCE 4430 Capital Markets (4 semester hours)

This course studies the history and need for different financial markets and institutions. The course introduces students to the basics of financial markets and institutions. The key topics include the role of financial markets and institutions, the structure of the financial system, the history and role of the Federal Reserve, and the structure of various financial markets (equity, money, bond, mortgage). The financial institutions component studies the role that different institutions play within each financial market. A recurring theme throughout the course is the concept of information asymmetry, which we will apply to understand salient features of the financial landscape.

Prerequisite: BCOR 3410 or FNCE 3400 with a grade of C (2.0) or higher.

FNCE 4440 Financial Modeling and Analytics (4 semester hours)

This course develops advanced spreadsheet modeling skills and quantitative analysis tools including VBA and Python to support financial decision-making. Hands-on experience in the development of spreadsheet forecasting, simulation, and optimization models for applications in valuation, cash budgeting, financial planning, and portfolio structuring will be provided as well as techniques for collecting, processing, visualizing, and exploring semi-structured financial data for analysis.

(See AIMS 4740.)

Prerequisites: AIMS 3770 or BCOR 3750, and BCOR 3410 or FNCE 3400 or FNCE 3410, all with a grade of C (2.0) or higher.

FNCE 4480 International Finance (4 semester hours)

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding of the basic tools of financial decision making in an international environment. Key topics of study include exchange rate determination, relationships between inflation, interest rates, and exchange rates, risk management, multinational capital budgeting, and international portfolio theory.

(See INBA 4880.)

Prerequisites: BCOR 3860 and either BCOR 3410 or FNCE 3400 with a grade of C (2.0) or higher.

FNCE 4491 Student Investment Fund: Security Analysis (4 semester hours)

This course is Part I of the Student Investment Fund (SIF) Program. In this one-year program, the students gain hands-on experience in managing the Student Investment Fund by learning the theory and practice of securities investment and portfolio management within an academic context, enhanced by the frequent interaction with individuals and institutions engaged in the money management industry. While the focus of Part I is stock valuation using absolute and relative valuation models, this course will also familiarize the students with topics covered in a typical investment course such as financial markets and financial instruments as well as investment concepts and theory, including risk and return, diversification, Capital Asset Pricing Model, etc.

Prerequisite: BCOR 3410 or FNCE 3400, with a grade of C (2.0) or higher.

FNCE 4492 Student Investment Fund: Portfolio Management (4 semester hours)

This course is Part II of the Student Investment Fund (SIF) Program. In this one-year three-course program, the students gain hands-on experience in managing the Student Investment Fund by learning the theory and practice of securities investment and portfolio management within an academic context, enhanced by the frequent interaction with individuals and institutions engaged in the money management industry. While the students continue to apply what they have learned in Part I of the program to stock analysis and investment, the main focus of this part of the program is the application of portfolio theory to portfolio formation and performance measurement. The course culminates with the production and presentation of the SIF Annual Report at the end of the semester. Additionally, the students will also learn investment topics that are not covered in Part I, including analysis and management of bonds and an overview of derivative securities.

Prerequisite: FNCE 4491.

FNCE 4493 Student Investment Fund: Investment Research Lab (2 semester hours)

This course is Part III of the Student Investment Fund (SIF) Program. In this one-year program, the students gain hands-on experience in managing the Student Investment Fund by learning the theory and practice of securities investment and portfolio management within an academic context, enhanced by the frequent interaction with individuals and institutions engaged in the money management industry. The focus of this course is experiential learning via the application of the theories covered in both Parts I and II of the program to the analysis and investments of stocks and management of the SIF portfolio, utilizing the databases and software available.

Prerequisite: FNCE 4491.

FNCE 4498 Special Studies (1-4 semester hours)**FNCE 4499 Independent Studies (1-4 semester hours)**

Permission of the Associate Dean required.

FNLT 1998 Special Studies (1-4 semester hours)**FNLT 1999 Independent Studies (1-4 semester hours)****FNLT 2500 World Literature (4 semester hours)**

A study of selected texts from international literature.

FNLT 2998 Special Studies (1-4 semester hours)**FNLT 2999 Independent Studies (1-4 semester hours)**

FNLT 3250 Contemporary Italian Culture (4 semester hours)

This course provides an exploration of diverse forms of contemporary cultural expression in Italy, including film & media, literature, music, and political critique. Focusing on material disseminated since the late 20th century, students examine how echoes of the major social transformations that have occurred in Italy in recent decades resonate at all levels of cultural production.

University Core fulfilled: INT: Interdisciplinary Connect.

FNLT 3251 Italian Food Cultures (4 semester hours)

An interdisciplinary exploration of Italian food traditions with a focus on regional differences. Topics include the Mediterranean diet as cultural heritage ongoing changes in food production and distribution, strategies for protecting Italy's food traditions, and adaptation of Italian cuisine in US culture.

University Core fulfilled: Flag: Engaged Learning.

FNLT 3252 Race & Gender Ital Cltr (4 semester hours)

An interdisciplinary exploration of race and gender in the Italian context, acknowledging the legacy of fascism, colonialism and migration, and examining how racial hierarchies as well as the dominance of white heterosexual masculinity have been represented, interrogated and challenged in Italian cultural production.

FNLT 3500 Introduction to Modern Greek Literature (4 semester hours)
(See MDGK 3341.)**FNLT 3998 Special Studies (1-4 semester hours)****FNLT 3999 Independent Studies (1-4 semester hours)****FNLT 4200 Comparative Cultures (4 semester hours)**

Interdisciplinary and comparative approaches in the study of cultures. Students study the process through which different nations or communities understand and express their cultural identities and diversities. They examine the ways in which cultural identities become politically dominant at different historical moments, and how, more generally, cultures contaminate and influence each other.

University Core fulfilled: For specific content courses.

FNLT 4230 The Roman Baroque: Art, Architecture, and Culture (4 semester hours)

This course explores the social, political, and ecclesiastical circumstances that facilitated the emergence of baroque art, architecture, and other forms of cultural production in Rome between the beginning of the 17th century and the mid-18th century. Special attention is paid to the relationship between and among artistic practices, scientific developments, and the religious institutions of the era.

This course is only available to students in the LMU Summer Study Abroad Program in Rome, Italy.

University Core fulfilled: Integrations: Interdisciplinary Connections.

FNLT 4241 Paris Métisse: Multiculturalism in Paris (4 semester hours)

The course's objective is to understand the concept of "métissage" in contemporary Parisian society through contact with the modern arts—poetic, pictorial, and musical—through an analysis of various texts and through personal interviews with exiles.

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

University Core fulfilled: Flag: Engaged Learning.

FNLT 4331 Paris through Film (4 semester hours)

An examination of filmic narratives about/in Paris by representative international directors from the 1950s up to the present through a study of filmic themes, genres, trends, movements, and gender issues. Students analyze how selected filmic narratives in/about Paris manage to represent "Frenchness" in the global context.

This class is only offered in the LMU Summer Study Abroad Program in Paris, France.

University Core fulfilled: Explorations: Creative Experiences; Flag: Engaged Learning.

FNLT 4998 Special Studies (1-4 semester hours)**FNLT 4999 Independent Studies (1-4 semester hours)****FREN 1011 Beginning Conversational French (3 semester hours)**

Strictly offered in the LMU study-abroad program in Paris, France, this elementary conversational French course is designed as an introduction for complete-beginners, or practice for students who completed up to FREN 2102 French 2 or equivalent. For the best experience, except for complete-beginner, students will take a French placement test with the Institut Catholique upon arrival in Paris.

FREN 1998 Special Studies (1-4 semester hours)**FREN 1999 Independent Studies (1-4 semester hours)****FREN 2011 Intermediate Conversational French (3 semester hours)**

Strictly offered in the LMU study-abroad program in Paris, France, this intermediate conversational French course is designed as practice for students who completed up to FREN 2104 French 4 or equivalent. For the best experience, students will take a French placement test with the Institut Catholique upon arrival in Paris.

FREN 2101 French 1 (4 semester hours)

A course intended for students who have not taken French before. Based on a communicative approach, the course emphasizes reading, writing, and oral proficiency in basic French. Materials covered include an introduction to all articles, pronouns, regular and irregular verbs in past and present tenses and in indicative and imperative modes, adjectives, prepositions, and basic vocabulary.

FREN 2102 French 2 (4 semester hours)

A continuation of FREN 2101. New materials covered include an introduction to pronominal verbs, verbs in the future tense and in the subjunctive and conditional modes, adjectives, pronouns, adverbs, and many idiomatic vocabulary and verbal expressions.

Prerequisite: FREN 2101 or by LMU Placement Exam or permission of instructor.

FREN 2103 French 3 (4 semester hours)

After reviewing FREN 2101 and FREN 2102 an introduction to more complex linguistic patterns presented in a French/Francophone cultural and comparative context. Includes practice in speaking, listening, reading, and writing through discussion of short texts, written exercises and short compositions, and work with multimedia resources. Students are also initiated to the apprenticeship of French pronunciation.

Prerequisite: FREN 2102 or LMU Placement Exam or permission of instructor.

FREN 2104 French 4 (4 semester hours)

Developing complex linguistic patterns introduced in FREN 2103. Includes more practice in speaking, listening, reading, and writing through discussion of various texts and multimedia resources, written exercises, and longer compositions. Students continue their apprenticeship of French pronunciation.

Prerequisite: FREN 2103 or by LMU Placement Exam or permission of instructor.

FREN 2998 Special Studies (1-4 semester hours)**FREN 2999 Independent Studies (1-4 semester hours)****FREN 3011 Advanced Conversational French (3 semester hours)**

Strictly offered in the LMU study-abroad program in Paris, France, this advanced conversational French course is designed as practice for students who completed FREN 3000 to 4000-level courses or equivalent. For the best experience, students will take a French placement test with the Institut Catholique upon arrival in Paris.

FREN 3240 History of Ideas (4 semester hours)

A survey of literary themes and of the evolution of the social, political, and philosophical ideas in France, expressed in a variety of forms through the works of major writers, from the inception of French literature to the present.

Prerequisite: FREN 2104 (or French 4) or by LMU Placement Exam or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

FREN 3450 Stylistics and Translation (4 semester hours)

A study of different modes of writing and of the major grammatical, stylistic, and vocabulary challenges when translating from English into French and vice versa. Practice with a broad range of literary, professional, and journalistic texts.

Prerequisite: FREN 2104 (or French 4) or by LMU Placement Exam or permission of instructor.

University Core fulfilled: Flag: Engaged Learning.

FREN 3850 Writing Workshop in French (4 semester hours)

A course designed to improve written expository prose in French. Practice of various forms of writing, such as extensive, intensive, and team writing, through the approach of global simulations.

Prerequisite: FREN 2104 (or French 4) or by LMU Placement Exam or permission of instructor.

University Core fulfilled: Explorations: Creative Experience.

FREN 3998 Special Studies (1-4 semester hours)

Prerequisite: FREN 2104 (or French 4) or by LMU Placement Exam or permission of instructor.

FREN 3999 Independent Studies (1-4 semester hours)

Prerequisite: FREN 2104 (or French 4) or by LMU Placement Exam or permission of instructor.

FREN 4231 Identity Crisis in Contemporary France (4 semester hours)

An analysis of France's identity crisis in light of recent debates on twentieth-century French history and national identity. The troubled legacies of key events in modern French history, such as the Great War and its destructive effects on postwar French society; Vichy and French participation in the Holocaust; the Algerian War and decolonization; and the crimes of Communism worldwide are examined through the debates and controversies they have generated in France since the 1990s.

Prerequisite: One (1) FREN 3000-level 4-unit course or permission of instructor.

FREN 4232 Philosophy and Aesthetics of Labor in France (4 semester hours)

This course explores the individual and social dimension of labor through its representation in literature from Rousseau's Social Contract to the present. Along with the concept of work the following factors are examined: the ethical structure, power dynamics, and the symbolic construction of a place and a presence in the world, which gives meaning to individual and community existence.

Prerequisite: One (1) FREN 3000-level 4-unit course or permission of instructor.

FREN 4233 Culture of Laughter (4 semester hours)

From the Middle Ages to the present, the course explores the different comic forms of humor and tries to understand what makes French people laugh. To what degree is the comic used to mask something else? The course explores the expected and unexpected context in which humor can be used.

Prerequisite: One (1) FREN 3000-level 4 unit course, or permission of instructor.

FREN 4241 Paris Métisse: Multiculturalism in Paris (4 semester hours)

The course's objective is to understand the concept of "métissage" in contemporary Parisian society through contact with the modern arts—poetic, pictorial, and musical—through an analysis of various texts and through personal interviews with exiles. Class discussions are in English, however, students do all small group discussions, written work, and exams in French.

Prerequisite: One (1) FREN 3000-level 4-unit course or permission of instructor.

University Core fulfilled: Flag: Engaged Learning.

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

FREN 4250 Workshop in Professional French (4 semester hours)

A course designed for students who wish to reinforce and perfect their knowledge of French while being introduced to relevant, daily communication in the professional world. Topics vary by professional fields, such as French for business, tourism, the sciences, the legal field, administration, fashion, or catering and gastronomy. Students practice common oral and written professional interaction in the selected field through functional simulations.

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor. May be repeated as specific content changes.

FREN 4330 Fictions of Culture, Film, and Other Media (4 semester hours)

A course designed to introduce students to French culture through films and other media.

Prerequisite: One (1) FREN 3000-level 4-unit course, or consent of instructor. May be repeated as specific content changes.

FREN 4331 Paris through Film (4 semester hours)

An examination of filmic narratives about/in Paris by representative international directors from the 1950s up to the present day through a study of filmic themes, genres, trends, movements, and gender issues. Students analyze how selected filmic narratives in/about Paris manage to represent "Frenchness" in the global context. The class discussions are in English; however, students do all small group discussions, written work, and exams in French.

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor.

University Core fulfilled: Explorations: Creative Experiences; Flag: Engaged Learning.

This class is only offered in the LMU Summer Study Abroad Program in Paris, France.

FREN 4332 Francophone Film (4 semester hours)

A study of representative films from the French-speaking world outside of France.

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor. May be repeated as specific content changes.

FREN 4530 Women in French (4 semester hours)

An examination of the topics and/or issues raised in women's texts in French.

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor. May be repeated as specific content changes.

FREN 4531 Science Fiction and Fantasy Scenarios (4 semester hours)

This course explores visions of the future by representative science fiction and fantasy texts in French, from the founding father of science fiction, Jules Verne, to contemporary French/francophone authors and filmmakers.

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor. May be repeated as specific content changes.

FREN 4532 Francophone Literature (4 semester hours)

A study of representative writers from the French speaking world outside of France.

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor. May be repeated as specific content changes.

FREN 4551 Theater Workshop in French (4 semester hours)

A course designed to offer an original combination of linguistic and dramatic training in French. Students are introduced to acting techniques and discover the richness of the French dramatic repertoire. They perform their work in the course: a collection of selected scenes from classical and modern French theater.

Prerequisite: One (1) FREN 3000-level 4-unit course or permission of instructor.

May be repeated as specific content changes.

University Core fulfilled: Integrations: Interdisciplinary Connections.

FREN 4990 Senior Capstone Project (1 semester hour)

Exit portfolio (for majors only).

Seniors only.

Credit/No Credit only.

FREN 4998 Special Studies (1-4 semester hours)

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor.

FREN 4999 Independent Studies (1-4 semester hours)

Prerequisite: One (1) FREN 3000-level 4-unit course, or permission of instructor.

FTVA 198 Special Studies (0-3 semester hours)**FTVA 199 Independent Studies (1-3 semester hours)****FTVA 298 Special Studies (1-3 semester hours)****FTVA 299 Independent Studies (1-3 semester hours)****FTVA 398 Special Studies (0-1 semester hours)****FTVA 399 Independent Studies (1-3 semester hours)****FTVA 490 Entertainment Internship (0 semester hours)**

This course offers a supervised internship within the entertainment industry administered through the Entertainment Internship Program.

May be repeated three times for degree credit.

Credit/No Credit only.

FTVA 491 Entertainment Career Internship (1-3 semester hours)

This course offers a supervised internship within the entertainment industry administered by the Entertainment Internship Program. It provides the necessary resources and tools for students to maximize their career seeking skills within the entertainment industry through internship advisement, resume and cover letter support, and reflection on the internship experience.

May be repeated three times for degree credit.

Credit/No Credit only.

FTVA 498 Special Studies (0-3 semester hours)**FTVA 499 Independent Studies (0-4 semester hours)**

FTVA 555 Incubator Lab (0-3 semester hours)**FTVA 590 Entertainment Internship (0 semester hours)**

This course offers a supervised internship within the entertainment industry administered through the Entertainment Internship Program.

Maybe repeated three times.

Credit/No Credit only.

FTVA 598 Special Studies (0-3 semester hours)**FTVA 599 Independent Studies (1-3 semester hours)****FTVA 698 Special Studies (0-3 semester hours)****FTVA 699 Independent Studies (0-3 semester hours)****FTVS 198 Special Studies (1-3 semester hours)****FTVS 315 History of the Documentary (3 semester hours)**

A critical and historical survey of the documentary film and video. Screenings, lectures, and discussions.

Lab fee required.

FTVS 419 Special Topics: Theory (3 semester hours)

The examination and application of specific theoretical topics (e.g., feminism, post-modernism, modernism, race and ethnic studies, post-colonial studies, etc.) to film and TV texts. Screenings, readings, lectures/discussion.

Lab fee required.

FTVS 498 Special Studies (1-4 semester hours)**FTVS 511 Television History (3 semester hours)**

This seminar traces the history of television from the last days of radio, through the Golden Age of TV, to today's cable and Internet.

Graduate SFTV majors only.

FTVS 512 Seminar in Television Genres (3 semester hours)

The role of television as a popular art is explored through theoretical understandings of television genres including drama, situation comedy, news talk shows, sports, children's shows, daytime serials, one-hour dramas, etc.

Lab fee required.

FTVS 513 Seminar in American Film (3 semester hours)

An examination of the history and development of American film from the silent era to the present. Screenings, lectures, and discussions.

Lab fee required.

FTVS 514 Seminar in International Film (3 semester hours)

An examination of the history and development of international film from the silent era to the present. Screenings, lectures, and discussions.

Lab fee required.

FTVS 515 Seminar on the Documentary (3 semester hours)

Advanced critical and analytical study of the evolution of documentary film/television. Screenings, lectures, and discussions.

Lab fee required.

FTVS 517 Seminar in TV Programming (3 semester hours)

Advanced critical and analytical study of broadcast programming in the United States and abroad. Screenings, lectures, and discussions.

Lab fee required.

FTVS 518 Analysis of Video Games (3 semester hours)

An examination of the history, development, aesthetics, and power of video games, including their relationship to other media texts, including movies and television. Screenings, lectures, and discussions.

Lab fee required.

FTVS 598 Special Studies (0-4 semester hours)**FTVS 599 Independent Studies (1-3 semester hours)****FTVS 610 Film/TV Topical Seminar (3 semester hours)**

Seminar in current issues in cinema and television; focus changes per offering.

Lab fee required.

FTVS 611 Seminar in Film Genre (3 semester hours)

Advanced study in a film genre. Screenings, film, and lectures.

Lab fee required.

FTVS 612 Seminar in Film Authors (3 semester hours)

Advanced study of films of specific filmmakers. Screenings, lectures, and discussions.

Lab fee required.

FTVS 613 Seminar in National Film (3 semester hours)

Advanced study of films of a specific nationality. Screenings, lectures, and discussion.

Lab fee required.

FTVS 614 Seminar in Television and Video (3 semester hours)

Topical seminar focusing on critical analysis of topical media genres. Screenings, lectures, and discussions.

Lab fee required.

FTVS 698 Special Studies (1-3 semester hours)**FTVS 699 Independent Studies (1-3 semester hours)****FTVS 1010 Art of Cinema (4 semester hours)**

An introduction to the elements that compromise film language and aesthetics and to the basic strategies of film analysis. It also provides an introduction to film as a cultural and historical text.

Lab fee required.

FTVS 1020 Introduction to Media and Culture (4 semester hours)

A historical and aesthetic introduction to how television, video games and content developed for the web use and transform the elements of film language to shape and reflect cultural values and attitudes, especially as they have to do with representations of race, ethnicity, gender, sexual orientation, class, faith and religion, and disabilities.

Lab fee required.

FTVS 1898 Special Studies (0-4 semester hours)

Lab fee required.

FTVS 2100 World Cinema 1 (1895-1955) (4 semester hours)

A critical and historical survey of the major developments, trends, movements, personalities, and aesthetic innovations in World Cinema from the beginning of film to 1955.

Lab fee required.

FTVS 2117 World Cinema 2 (1955-1990) (4 semester hours)

A critical and historical survey of the major developments, trends, movements, personalities, and aesthetic innovations in World Cinema from 1955 to 1990.

Lab fee required.

FTVS 2120 TV Studies (4 semester hours)

A critical and historical introduction to the major developments and innovations in television history. It may be offered as a historical survey, focus on a specific historical time-frame, or it may offer a historical overview of a particular topic. Refer to the specific semester's description.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 2127 Global TV Studies (4 semester hours)

See description for FTVS 2120 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 2130 Documentary Film/Media (4 semester hours)

This course offers a critical introduction to Documentary film, video, or other digital media. It may focus only on film or on video/digital media or both. It may be offered as a historical survey, focus on a specific historical time-frame, or it may offer a historical overview of a particular topic. Refer to the specific semester's description.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 2137 Global Documentary Film/Media (4 semester hours)

See description for FTVS 2130 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 2898 Special Studies (0-4 semester hours)

Lab fee required.

FTVS 3200 Motion Picture Colloquium (4 semester hours)

Engages critical perspectives and discussions of current movies joined, whenever possible, by class encounters with the filmmakers themselves.

Lab fee required.

FTVS 3210 Visual and Textual Analysis (4 semester hours)

In-depth analysis of a wide variety of film and/or television texts with an eye toward deconstructing the storytelling and visual techniques that any particular text employs in order to create story structure and thematic meaning.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 3220 Analysis of Video Games (4 semester hours)

An examination of the history, development, and aesthetics of video games, their relationship to Film and TV, and their status as cultural artifacts.

Lab fee required.

FTVS 3230 Technology/Aesthetics (4 semester hours)

Focuses on a particular aspect of the history of a given film or media technology: editing, Technicolor, digital cinema, production design, mise-en-scene, animation, etc.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 3300 Women in Film (4 semester hours)

Provides a critical and historical survey of representations of women in film as well as an examination of works of women directors in an international context.

This course is repeatable for degree credit up to two times, provided new course material is covered and a new subtitle has been designated.

Lab fee required.

FTVS 3310 Film/Media and Social Justice (4 semester hours)

Offers students an understanding of how certain movements, aesthetics, directors, and/or genres in film and media engage issues of social justice. This course may also address the intersection of spirituality, faith, religion and social justice issues. Refer to specific semester description.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 3320 Film and Media Theory (4 semester hours)

An introduction to the theoretical paradigms that underpin film and/or media studies. The course may be offered as a historical survey or focus on a minimum of two distinct theoretical traditions and the historical developments within them (e.g., psychoanalysis/theories of representation and ontological/realist film theory). Alternately, it may focus on introducing the work of a minimum of four dominant film theorists from different decades. Refer to the specific semester description.

Prerequisite: FTVS 1010, FTVS 1020, and FTVS 2100.

Lab fee required.

FTVS 3700 Special Topics (4 semester hours)

A survey/introductory-style course with a historical and/or theoretical focus that covers any aspect of film, television, media, technology, or practice (e.g., history of editing, star studies, media theory, etc.). Refer to the specific semester's description.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 3707 Global Special Topics (4 semester hours)

See description for FTVS 3700 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 3800 Restricted Special Studies (0-4 semester hours)

See description for FTVS 3700.

May include a practicum/fieldwork component.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 3855 Media Sport Culture Ethics (4 semester hours)

Media, Sport, Culture, Ethics is an interdisciplinary undergraduate research and writing intensive seminar that explores key topics concerning the social impacts and ethical intersections of media, sport, and consumer culture. The course explores the increased roles that two mutually reinforcing trends mediatization and sportification have come to play in our cultural milieu, and more specifically, in ethically problematic promotional market logics pervasive in consumer capitalism. The course situates theoretical and conceptual thrusts from three distinct but complementary disciplines sport studies, media studies, and ethics studies to bridge foci on (1) sport from a sociology of sport lens, (2) sport media from a communication of sport lens, and (3) ethics from a commodification of sport lens. The lenses are integrated in assessing the consumer culture intermix of sport and media amidst promotional and marketing logics.

Junior or senior standing required for registration.

University Core fulfilled: INT: Interdisciplinary Connections.

FTVS 3898 Special Studies (0-4 semester hours)

Lab fee required.

FTVS 3999 Independent Studies (0-4 semester hours)**FTVS 4410 American Cinema (4 semester hours)**

A critical introduction to American Cinema. It may be offered as a historical survey; it may focus on a specific historical timeframe; or, it may offer a historical overview of a particular topic. Refer to the specific semester descriptions, as multiple sections/topics may be offered.

May be repeated for credit once as long as topic is different.

Lab fee required.

FTVS 4420 European Cinema (4 semester hours)

A critical introduction to European Cinema. It may be offered as a historical survey; focus on a specific historical timeframe; or, offer a historical overview of a particular topic, national, or regional cinema. Note: Includes Central Asia (Eastern Europe). Refer to the specific semester descriptions, as multiple sections/topics may be offered.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4437 Asian Cinema (4 semester hours)

A critical introduction to cinemas from East Asia and The Pacific. It may be offered as a historical survey; focus on a specific historical timeframe; or, offer a historical overview of a particular topic, national, or regional cinema. Note: Includes China, Japan, Korea, Thailand, Indonesia, Australia, New Zealand, etc. Refer to the specific semester descriptions, as multiple sections/topics may be offered.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4447 African/Middle Eastern Cinema (4 semester hours)

A critical introduction to cinemas of Africa. It may be offered as a historical survey; focus on a specific historical timeframe; or, offer a historical overview of a particular topic, national, or regional cinema. Refer to the specific semester descriptions, as multiple sections/topics may be offered.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4457 Latin American Cinema (4 semester hours)

A critical introduction to cinemas from Latin America. It may be offered as a historical survey; focus on a specific historical timeframe; or, offer a historical overview of a particular topic, national, or regional cinema. Note: Includes the Caribbean. Refer to the specific semester descriptions, as multiple sections/topics may be offered.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4467 South Asian Cinema (4 semester hours)

A critical introduction to cinemas from South Asia. It may be offered as a historical survey; focus on a specific historical timeframe; or, offer a historical overview of a particular topic, national, or regional cinema. Note: Includes India, Afghanistan, Pakistan, Nepal, etc. Refer to the specific semester descriptions, as multiple sections/topics may be offered.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4500 Film Authors (4 semester hours)

An in-depth critical and theoretical study of films by a given author, or a comparative set of authors (this is not limited to directors). Refer to the specific semester's description.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4507 Global Film Authors (4 semester hours)

See description for FTVS 4500 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4510 TV Authors (4 semester hours)

An in-depth critical and theoretical study of films by a given author, or a comparative set of authors. This may be interpreted broadly to include television and/or media authors, specific video-game developers, or animation companies. Refer to the specific semester's description.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4517 Global TV Authors (4 semester hours)

See description for FTVS 4510 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4600 Film Genre (4 semester hours)

A critical and historical survey of a specific genre. For example: The Western, Melodrama, Horror, Film Noir, etc. Refer to the specific semester description.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4607 Global Film Genre (4 semester hours)

See description for FTVS 4600 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4610 TV Genre (4 semester hours)

A critical, historical, and/or theoretical survey of a specific TV genre or set of genres. Refer to the specific semester description.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4617 Global TV Genre (4 semester hours)

See description for FTVS 4610 but applied in a Non-Western/Transnational context.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4700 Special Topics Theory/History (4 semester hours)

This course provides an in-depth study of a particular theoretical paradigm or historical investigation in the context of film, media, and/or TV. Refer to the specific semester description.

Prerequisite: FTVS 1010 or FTVS 1020. Juniors and seniors only. May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4707 Global Topics Theory/History (4 semester hours)

This course provides an in-depth study of the theoretical and/or historical paradigms that underpin the study of film in a global/transnational context. This course will deal with films produced in at least two distinct world regions (e.g., Latin America and Asia, etc.). Refer to the specific semester description.

May be repeated for credit once as long as topic is different.
Lab fee required.

FTVS 4898 Special Studies (0-4 semester hours)

Lab fee required.

FTVS 4900 Capstone (4 semester hours)

The FTVS Capstone course engages students in an advanced research and/or creative project that enriches their understanding of an area of Film, Television, or Media studies and draws upon an area of unique interest to the student.

Prerequisite: FTVS 3320

FTVS 4999 Independent Studies (0-4 semester hours)**GEOG 1000 Human Geography (4 semester hours)**

An introduction to general world patterns of major cultural elements and processes and their influence on relationships between human societies and their environment. Cultural and environmental differences between developed and less developed nations and their regional implications in the modern world are emphasized.

GEOG 1998 Special Studies (1-4 semester hours)**GEOG 1999 Independent Studies (1-4 semester hours)****GEOG 2000 World Geography (4 semester hours)**

An introduction to the world's major geographic realms with an analysis of their cultural, demographic, and political characteristics; their varying levels of economic development and global integration; and their diverse physical settings, especially as they relate to an understanding of contemporary global issues and environmental problems.

GEOG 2998 Special Studies (1-4 semester hours)

GEOG 2999 Independent Studies (1-4 semester hours)**GEOG 3060 Modern Mexico (4 semester hours)**

A survey of the distinctive social, cultural, economic, and political elements of modern Mexico. The environmental and historical basis of the country's recent development is examined.

GEOG 3998 Special Studies (1-4 semester hours)**GEOG 3999 Independent Studies (1-4 semester hours)****GEOG 4998 Special Studies (1-4 semester hours)****GEOG 4999 Independent Studies (1-4 semester hours)****GRMN 1998 Special Studies (1-4 semester hours)****GRMN 1999 Independent Studies (1-4 semester hours)****GRMN 2101 German 1 (4 semester hours)**

A course intended for students with little or no prior knowledge of German. Based on the communicative approach, the course emphasizes oral proficiency in basic German as well as reading and writing. The following topics are covered: an introduction to the nominative and accusative cases with their corresponding articles and pronouns, regular and irregular verbs in the present and present perfect tense, word order, basic vocabulary, and the development of cross-cultural awareness.

University Core fulfilled: Flag: Oral Skills.

GRMN 2102 German 2 (4 semester hours)

A continuation of GRMN 2101. Apart from the continued emphasis on oral competence, cross-cultural awareness, as well as reading and writing, new grammar topics are covered including an introduction to the dative case with its corresponding articles and pronouns, prepositions carrying the accusative and/or dative case, the past tense, relative clauses, adjective endings, the subjunctive and passive voice.

Prerequisite: GRMN 2101 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

GRMN 2103 German 3 (4 semester hours)

The first part of an intermediate course designed to review elementary grammar, and to develop further oral competence, with a strong emphasis on cultural competence, reading, and writing. Texts that emphasize culture provide the springboard for the promotion of vocabulary acquisition, comprehension, and the active use of oral and written German.

Prerequisite: GRMN 2102 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

GRMN 2104 German 4 (4 semester hours)

The second part of an intermediate course designed to review elementary grammar, and to develop further oral competence, with a stronger emphasis on cultural competence, reading, and writing. Texts that emphasize culture provide the springboard for the promotion of vocabulary acquisition, comprehension, and the active use of oral and written German.

Prerequisite: GRMN 2103 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

GRMN 2603 Conversational German 3 (1-4 semester hours)

A course designed to promote oral and aural proficiency and practical competence in intermediate German.

Prerequisite: GRMN 2103 or concurrent enrollment or by LMU Placement Exam.

GRMN 2998 Special Studies (1-4 semester hours)**GRMN 2999 Independent Studies (1-4 semester hours)****GRMN 3105 Mastery of German (4 semester hours)**

A finishing course emphasizing oral proficiency, as well as more advanced grammar aspects, reading, and writing.

Prerequisite: GRMN 2103 or by LMU Placement Exam.

GRMN 3230 German Culture and Civilization (4 semester hours)

A survey of key aspects of German history, society, politics, and arts from the time of the Germanic tribes more than 2,000 years ago to present-day Germany.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

GRMN 3231 The Germans: Great Moments Past and Present (4 semester hours)

A seminar on decisive moments in German history from 800 to 2007 having to do with particular historical events, persons, inventions, discoveries, and more.

Prerequisite: GRMN 3105 or by LMU Placement Exam.

GRMN 3340 German Cinema (4 semester hours)

A seminar on the historical development of German cinema from German Expressionism to contemporary films.

Prerequisite: GRMN 3105 or by LMU Placement Exam

GRMN 3520 Survey of German Literature: From Beginning to Present (4 semester hours)

An introduction to German literature from its beginning to the 20th century by means of representative texts in all genres.

Prerequisite: GRMN 3105 or by LMU Placement Exam

GRMN 3521 War and Peace in German Literature and Film (4 semester hours)

This course explores the discourse of war and peace in German culture from the 17th century to the present with examples from literature, film, art, music, and popular culture.

Prerequisite: GRMN 3105 or by LMU Placement Exam.

GRMN 3716 Business German (4 semester hours)

An advanced German course introducing the specialized language of everyday business dealings.

Prerequisite: GRMN 3105 or by LMU Placement Exam

GRMN 3998 Special Studies (1-4 semester hours)**GRMN 3999 Independent Studies (1-4 semester hours)**

GRMN 4551 German Drama (4 semester hours)

A seminar on representative German plays since the 18th century. It includes classics from Lessing, Goethe, Schiller, Büchner to Brecht and beyond.

Prerequisite: GRMN 3105 or by LMU Placement Exam.

GRMN 4552 German Folklore (4 semester hours)

An introduction to the fairy tales of the Brothers Grimm and the multi-faceted fairy tale research.

Prerequisite: GRMN 3105 or by LMU Placement Exam.

GRMN 4553 The German Novella (4 semester hours)

A close reading of representative German novellas in the 18th, 19th, and early 20th centuries. It primarily covers novellas in the Romantic and Realist tradition.

Prerequisite: GRMN 3105 or by LMU Placement Exam.

GRMN 4998 Special Studies (1-4 semester hours)**GRMN 4999 Independent Studies (1-4 semester hours)****HEAS 1998 Special Studies (1-4 semester hours)****HEAS 2000 Introduction to Health and Society (4 semester hours)**

This course introduces students to the social foundations of health, which includes how the organization of society shapes health, how culture shapes how we think about and act towards health, and how communities have responded to health challenges. To equip students to engage in rigorous interdisciplinary scholarship in the Health and Society minor, a portion of the course is dedicated to exploring the unique analytical frameworks and methodologies employed across disciplines contributing to the minor (e.g., Economics, History, Psychology, and Sociology) to study health, illness, and the body.

University Core fulfilled: Explorations: Understanding Human Behavior.

HEAS 2998 Special Studies (1-4 semester hours)**HEAS 2999 Independent Studies (1-4 semester hours)****HEAS 3998 Special Studies (1-4 semester hours)****HEAS 3999 Independent Studies (1-4 semester hours)****HEAS 4998 Special Studies (1-4 semester hours)****HHSC 1550 Human Anatomy and Physiology I (3 semester hours)**

The first part of a two-semester sequence for majors. Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Topics include cell biology; histology; integumentary, skeletal, muscular, and nervous systems.

Corequisite: HHSC 1556.

HHSC Majors and minors only.

HHSC 1556 Human Anatomy and Physiology I Laboratory (1 semester hour)

Companion laboratory component to accompany HHSC 1550.

Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Laboratory histology, experimentation, and dissection of preserved specimens.

Corequisite: HHSC 1550.

HHSC Majors and minors only.

Materials fee Included.

HHSC 1700 Personal Health (3 semester hours)

This course will introduce students to the basics of human health, including physical and psychological well-being, spiritual health, environmental health, nutrition, and exercise. Other health topics will be included.

Non-majors or HHSC Minors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

HHSC 1900 Exploring Health and Human Sciences Seminar (1 semester hour)

Introduction to the areas of study and career opportunities within the health sciences and allied health fields. Introduction to the variety of resources available at LMU and the basic necessary skills for a successful college experience. Exposure to information literacy, scientific research, faculty research, and student research opportunities.

HHSC Majors only.

Credit/No Credit only.

HHSC 1910 Medical Terminology (2 semester hours)

Introduction to the vocabulary, abbreviations, and symbols used in the language of medicine. Emphasis on building medical terms using prefixes, suffixes, and word roots. Upon completion, students should be able to pronounce, spell, and define appropriate medical terminology.

HHSC Majors only.

Non-majors permitted to enroll upon approval of the Chair.

HHSC 1998 Special Studies (1-4 semester hours)

Special Studies.

HHSC majors only.

HHSC 1999 Independent Studies (0-5 semester hours)

Independent Studies.

May be repeated for credit.

HHSC majors only.

Permission of instructor required.

HHSC 2300 Nutrition (3 semester hours)

The study of nutrients and their functions, recommended nutrient intakes, and dietary adequacy while focusing on how to apply this knowledge personally. Emphasis on nutritional roles in health status and chronic disease. Exploration of how behavior change plays a role in nutrition and a healthy lifestyle.

HHSC Majors and minors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

HHSC 2550 Human Anatomy Physiology II (3 semester hours)

Continuation course of HHSC 1550 as the second part of a 2-semester sequence. Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Topics include endocrine, blood, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. The course promotes comprehensive understanding of the structure and function of the human body with an emphasis on organ system integration and homeostasis.

Prerequisite: HHSC 1550, HHSC 1556.

Corequisite: HHSC 2556.

HHSC Majors and Minors only.

HHSC 2556 Human Anatomy and Physiology II Laboratory (1 semester hour)

Companion laboratory component to accompany HHSC 2550. Continuation course of HHSC 1556 as the second part of a 2-semester sequence. Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Topics include endocrine, blood, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. Laboratory histology, experimentation, and dissection of preserved specimens. Introductory experiences are included towards the acquisition and interpretation of personal physiological data including blood pressure, spirometry, blood typing, hematocrit, and electrocardiography.

Prerequisite: HHSC 1550, 1556

Corequisite: HHSC 2550

Materials fee included.

HHSC Majors and minors only.

HHSC 2780 Science, Nutrition, and Health (3 semester hours)

The study of nutrients and their functions, recommended nutrient intakes, and dietary adequacy while focusing on how to apply this knowledge personally. Emphasis on nutritional roles in health status and chronic disease. Exploration of how behavior change plays a role in nutrition and a healthy lifestyle.

Non-Majors or HHSC Minors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

HHSC 2998 Special Studies (1-4 semester hours)

Special Studies.

HHSC majors only.

HHSC 2999 Independent Studies (0-5 semester hours)

Independent Studies.

HHSC majors only.

May be repeated for credit.

Permission of instructor required.

HHSC 3100 Health Services for Marginalized Populations (3 semester hours)

This course will focus on the mental and physical health needs of transitional populations, which include transitional age youth (16-25 years of age), homeless individuals seeking permanent supportive housing, ex-offenders on probation in residential re-entry centers, and veterans seeking stable housing options. All populations are socially and financially vulnerable and may also be struggling with barriers to stability (lack of educational attainment or job training), alcohol/other substance abuse, and depression due to estrangement from friends, family, and/or support networks.

Well-being is a complex phenomenon that exists at the intersection of both biologic health and social wellness. As such, this course takes a community health science approach to examining the intersections of individual biological health, broader health systems, and public health. It uses social justice-based, community learning strategies to deepen students' conceptual frameworks, empathy/solidarity, ability to work on team-based projects, and ability to enact social change.

Prerequisites: HHSC 2300 or HHSC 2780, HHSC 2550, HHSC 2556, PSYC 1000

Juniors and seniors only.

The course will include community-based learning pedagogy and/or engagement with community partners.

HHSC 3110 Weight Bias (3 semester hours)

This course will introduce students to the pervasiveness and consequences of weight bias - both overt and subtle forms resulting in health disparities, inadequate access to quality healthcare, and unfair and unequal treatment. Students will gain an understanding of size diversity and weight bias as a public health and social justice issue. Contemporary weight-normative approaches in healthcare will be contrasted with a weight-inclusive approach to health. This course will include a service-learning project and/or engagement with local and virtual organizations involved with health and health promotion.

Prerequisites: HHSC 2300 or HHSC 2780

Juniors only.

HHSC majors and minors only.

The course will include community-based learning pedagogy and/or engagement with community partners.

HHSC 3120 Physiology of Aging (3 semester hours)

This course will provide an in-depth exploration of the aging process of humans. Focus on the molecular and physiological aspects of aging, and how it all reflects on clinical and practical aspects of day-to-day life. This course is designed to provide theoretical and practical experience to students willing to work with this population and any health profession.

Prerequisites: HHSC 2550 and HHSC 2556.

Juniors only.

HHSC majors and minors only.

The course will include community-based learning pedagogy and/or engagement with community partners.

HHSC 3130 Medical Bioethics (3 semester hours)

Bioethics is a field of study directed to the interdisciplinary ethical analysis of the moral dimensions of health professional practice; this includes an analysis of moral character and vision, judgment, decision making, clinical practices, health policies, etc. Toward this end, the goals of this course are: 1) to introduce the wide range of ethical issues in health care; 2) to familiarize students with the bioethical literature that addresses these issues; 3) to develop the basic skills of analysis, interpretation, moral communication, and argument used in bioethics, especially as it affects nurses and physicians, functioning separately and jointly, and 4) to facilitate the application of those habits of thought that integrate bioethics into the intellectual and moral life of physicians and nurses.

Juniors only.

Majors and minors only.

The course will include community-based learning pedagogy and/or engagement with community partners.

HHSC 3140 Global and Community Health (3 semester hours)

This course will address all different kinds of health issues in the local community and around the globe. Global and Community Health will address issues on LMU's campus, in Los Angeles, in the United States, and in other regions of the world. These aspects of health include physical, intellectual, social, spiritual, and emotional. The primary topics will be health promotion, disease prevention, health systems, consumer health issues, communicable diseases, and chronic health problems. Each of these issues will be addressed from the perspective of each of the communities previously stated. Critical thinking will be a major component of this course, and ethical and environmental considerations will also be addressed. The topics will be timely and applicable to current health concerns around the globe. There will also be a focus on health promotion and how best to address the health concerns in the variety of communities discussed.

Juniors only.

Majors and minors only.

The course will include community-based learning pedagogy and/or engagement with community partners.

HHSC 3150 Exercise for Special Populations (3 semester hours)

Exploration of contemporary chronic disorders and disabilities, including etiology, epidemiology, pathophysiology, pharmacology, and the study of effects and benefits of exercise on attenuation of these conditions. There will be a special focus on maintaining and improving fitness in older adults, particularly those with reduced mobility.

Prerequisites: HHSC 2550, HHSC 2556.

Juniors only.

Majors and minors only.

The course will include community-based learning pedagogy and/or engagement with community partners.

HHSC 3220 Public Health (3 semester hours)

This course will explore, apply, and critique the theoretical foundations of public and allied health programs and their applications in varied settings and among diverse populations. The course will focus on the theoretical determinants of health and health-related behavior from the individual to the environmental level and consider intervention strategies that are theoretically grounded.

Juniors and seniors only.

Majors and minors only.

HHSC 3600 Upper Extremity Evaluation (3 semester hours)

In-depth instruction on anatomy and functional abilities of the upper extremity. Emphasis on the assessment techniques for recognizing and evaluating athletic-related injuries. Additional concentration on the cervical region and postural issues of the spine will be addressed.

Prerequisites: HHSC 1550, HHSC 1556.

Majors and minors only.

Juniors and seniors only.

HHSC 3610 Lower Extremity Evaluation (3 semester hours)

In-depth instruction on anatomy and functional abilities of the lower extremity. Emphasis on the assessment techniques for recognizing and evaluating athletic-related injuries. Additional concentration on the thoracic, lumbar, and sacral regions of the spine and gait analysis will be addressed.

Prerequisite: HHSC 3600.

Juniors and seniors only.

Majors and minors only.

HHSC 3750 Exercise Physiology (3 semester hours)

In-depth exploration of the acute and chronic changes to physiology that occur with exercise. The focus is on the cardiovascular respiratory, muscular, and endocrinology systems including the study of metabolism and fuel sources.

Prerequisites: HHSC 2550, HHSC 2556.

Corequisite: HHSC 3756

Juniors and seniors only.

Majors and minors only.

HHSC 3756 Exercise Physiology Laboratory (1 semester hour)

This course is the laboratory component to accompany HHSC 3750: Exercise Physiology. Measurement of the physiological mechanisms responsible for adaptations to acute and chronic exercise. Develop fitness assessment techniques and their applications to health and exercise performance. Gain hands-on experience with equipment/instrumentation.

Prerequisites: HHSC 2550, HHSC 2556.

Corequisite: HHSC 3750

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 3800 Kinesiology (3 semester hours)

This course examines the human body in motion utilizing the principles of anatomy, physiology, and mechanics in relation to human movement. Topics in this course include the application of principles of mechanics to anatomical systems; neuromuscular basis of movement, analysis of skills used in exercise science and by the physically active.

Prerequisites: HHSC 1550, HHSC 1556.

Juniors and seniors only.

Majors and minors only.

HHSC 3900 Health and Human Sciences Teaching (0-1 semester hours)

Guided teaching of undergraduate laboratories.

HHSC Majors only.

May be repeated for credit.

Credit/No-Credit grading.

Permission of instructor required.

HHSC 3950 Allied Health Internship I (1 semester hour)

Clinical, hands-on, and/or observational experience for 60 hours per unit in an allied health setting such as: hospital, clinic, or health facility. Guided instruction on professional development and graduate school preparation. For majors/minors with four or less semesters remaining until graduation.

Juniors and seniors only.

HHSC Majors and minors only.

University Core fulfilled: Flag: Engaged Learning.

Permission of instructor required.

HHSC 3970 Allied Health Internship II (1-5 semester hours)

Clinical, hands-on, and/or observational experience for 60 hours per unit in an allied health setting such as: hospital, clinic, or health facility.

Majors and minors only.

Prerequisite: HHSC 3950 or concurrent enrollment.

Juniors and seniors only.

May be repeated for credit. A maximum of 5 units can be completed for credit.

Credit/No-credit only.

Permission of instructor required.

HHSC 3998 Special Studies (1-4 semester hours)

Special Studies.

Juniors and seniors only.

HHSC majors and minors only.

Permission of instructor required.

HHSC 3999 Independent Studies (0-5 semester hours)

Research activities mentored by Health and Human Sciences faculty other approved independent studies. Letter grading option contingent upon generation and/or dissemination of work.

Majors and minors only.

May be repeated for credit. A maximum of 5 units can be completed for credit.

Permission of instructor required.

HHSC 4100 Epidemiology (3 semester hours)

Epidemiology is the study of health, illness, and associated factors as the population level. Overview of the history of the discipline, association and causality, and exploration of cross-sectional and case-control research will be completed to understand the epidemiological basis for preventative medicine. Emphasis on study design, data and specimen collection, and data analysis.

Prerequisite: MATH 204 or MATH 205.

Juniors and seniors only.

Majors and minors only.

HHSC 4106 Epidemiology Laboratory (1 semester hour)

Epidemiology is the study of health, illness, and associated factors at the population level. This laboratory is an introduction to the statistical methods used in epidemiology and related fields, and is designed to provide students with a firm grounding in the logic and models of hypothesis testing that are commonly used and encountered in clinical, public health, epidemiological and experimental research. The course consists of readings, class lectures, and computer and data analysis assignments. The data analysis assignments will be conducted using the SAS for Windows statistical package available to students in the computer lab.

Prerequisites: MATH 204 or 205.

Corequisites: HHSC 4100.

Juniors and seniors only.

Majors and minors only.

HHSC 4150 Healthcare Delivery Systems (3 semester hours)

Mandatory entry-level course for 4+1 students in Healthcare Systems Engineering M.S. program and other students transitioning from non-healthcare fields. History, cultural tradition, and operations of U.S. private, non-profit, hybrid, and government healthcare delivery systems, including discussion of the multifaceted U.S. trauma care system and the U.S. system for mass casualty events. Case study discussions emphasizing the quality and ethical issues challenging the U.S. healthcare system today and its comparative performance amongst the industrialized world. Additional important themes of medical professionalism, and the profession's social contract with society as central to the culture of healthcare professionals and administrators functioning within systems of care. Costs and payment systems. Successes and challenges in modern healthcare. Introduction to: electronic records and their portability; Health Insurance Portability and Accountability Act; technology (e.g., surgical robots) and integrated systems. Review of quality, safety, and regulatory systems. Non-U.S. healthcare delivery systems. Medical and healthcare jargon. Provider burnout.

Majors and minors only. Senior standing only.

HHSC 4600 Therapeutic Modalities in Sports Medicine (3 semester hours)

Provides information regarding the physics and physiological effects of athletic training modalities. Gain understanding of the inflammatory process and pain management in relation to athletic injuries. Includes the physiological reactions, contraindications, and indications to such modalities as heat, cold, electricity, ultrasound, water, and massage. Instruction on proper use and application of specific modalities.

Prerequisites: HHSC 2550, HHSC 2556.

Corequisite: HHSC 4606.

Juniors and seniors only.

Majors and minors only.

HHSC 4606 Therapeutic Modalities in Sports Medicine Laboratory (1 semester hour)

This course is the laboratory component to accompany HHSC 4600: Therapeutic Modalities in Sports Medicine. This class will focus on the practical aspect of modalities. These modalities include: heat and cold, ultrasound, electrotherapy, laser, and compression, among others.

Prerequisites: HHSC 2550 and HHSC 2556.

Corequisite: HHSC 4600.

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 4610 Therapeutic Rehabilitation in Sports Medicine (3 semester hours)

Instruction on how to design, implement, and supervise rehabilitation programs for sports-related injuries and conditions. Theoretical and clinical bases for the use of therapeutic exercises, basic biomechanics, indications, contraindications, and proper application of exercises in therapeutic rehabilitation.

Prerequisites: HHSC 2550, HHSC 2556 and HHSC 3600.

Corequisite: HHSC 4616.

Juniors and seniors only.

Majors and minors only.

HHSC 4616 Therapeutic Rehabilitation in Sports Medicine Laboratory (1 semester hour)

This course is the laboratory component to accompany HHSC 4610: Therapeutic Rehabilitation in Sports Medicine. Students will engage in learning the application of practical aspects of therapeutic rehabilitation exercises, including range of motion, stretching, joint mobilization, strengthening, cardiorespiratory, core, proprioception, and plyometric among others. Students will design a comprehensive rehabilitation program for sport-related injuries.

Prerequisite: HHSC 2550, HHSC 2556, and HHSC 3600.

Corequisite: HHSC 4610.

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 4705 EKG Interpretation (3 semester hours)

Introduction to electrocardiography. Basic concepts of EKG interpretation, including electro-physiology, arrhythmia identification, and electrode placement for both resting and graded exercise testing. Content is consistent with skills necessary to prepare students as a certified EKG technician by the National Healthcareer Association.

Prerequisite: HHSC 3750, HHSC 3756.

Corequisite: HHSC 4706.

Juniors and seniors only.

Majors and minors only.

HHSC 4706 EKG Interpretation Laboratory (1 semester hour)

This course is the laboratory component to accompany HHSC 4705: EKG Interpretation. Basic concepts of EKG interpretation, including electro-physiology, arrhythmia identification, and electrode placement for both resting and graded exercise testing. Content is consistent with skills necessary to prepare students as a certified EKG technician by the National Healthcareer Association.

Prerequisite: HHSC 3750, HHSC 3756.

Corequisite: HHSC 4705.

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 4750 Scientific Principles of Strength and Conditioning (3 semester hours)

Scientific Principles of Strength and Conditioning is intended to introduce the science and physiology behind strength training and conditioning. Oftentimes the strength and conditioning issues are misunderstood due to common popular myths. Sound scientific principles will be used to dispel such ideas. A variety of strength training and conditioning topics will be covered to prepare a student who is interested in becoming a Certified Strength and Conditioning Specialist (CSCS) or a Certified Personal Trainer (CPT) through the National Strength and Conditioning Association (NSCA).

Prerequisites: HHSC 2550, HHSC 2556 and HHSC 3800.

Corequisites: HHSC 4756.

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 4756 Strength Physiology and Assessment Laboratory (1 semester hour)

This course is the laboratory component to accompany HHSC 4750: Scientific Principles of Strength and Conditioning. This class will focus on the practical aspect of modalities, laboratory experiences in exercise technique, assessment, and instruction methodologies. Students will gain the requisite applied skills and experiences necessary to become recognized by the National Strength and Conditioning Association (NSCA) as a Certified Strength and Conditioning Specialist (CSCS).

Prerequisite: HHSC 2250, HHSC 2556, and HHSC 3800.

Corequisites: HHSC 4750.

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 4800 Biomechanics (3 semester hours)

An analytical approach to the mechanics of human motion. Kinetics and kinematics of human movement as it pertains to bone, joint cartilage, and connective tissue will be discussed. Consideration towards the forces at major points of the human body and their relations to musculoskeletal injuries.

Prerequisites: HHSC 1550, HHSC 1556.

Corequisite: HHSC 4806.

Juniors and seniors only.

Majors and minors only.

HHSC 4806 Biomechanics Laboratory (1 semester hour)

This course is the laboratory component to accompany HHSC 4800: Biomechanics. This course will apply and measure mechanical concepts in relation to the human body and human movement. Topics in this course include kinematic and kinetic concepts, linear and angular motion, and applying Newton's Laws to human movement. In particular, the course draws from principles of anatomy, physiology, and mechanics to measure the variables of human movement.

Prerequisite: HHSC 1550 and HHSC 1556.

Corequisites: HHSC 4800.

Juniors and seniors only.

Majors and minors only.

Materials fee included.

HHSC 4998 Special Studies (1-4 semester hours)

Special Studies.

Juniors and seniors only.

Majors and minors only.

HHSC 4999 Independent Studies (0-5 semester hours)

Independent Studies

Majors and minors only.

Permission of instructor required.

Juniors and seniors only.

May be repeated for credit.

HHSC 5999 Independent Studies (0-5 semester hours)

Independent Studies.

Graduate standing only.

May be repeated for credit.

Permission of instructor required.

HIST 1010 Premodern World History (4 semester hours)

A course in global history from roughly 3500/3000 BCE to the "age of exploration" in the fifteenth century, focusing on dynamics of cultural contact in the ancient and medieval periods.

HIST Concentration: Global Economies, Encounters, and Exchange.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1050 Modern World History (4 semester hours)

A course in global history from the "age of exploration" in the fifteenth century to the present, with a variety of encounters and exchanges, which transformed the cultures and societies of all those involved.

HIST Concentration: Global Economies, Encounters, and Exchange.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1060 Modern Global Environmental History (4 semester hours)

A course in global history with a particular focus on environmental history, exploring how humans, animals, natural forces, and science and technology have shaped the environment; the ways in which historical developments such as migration, empire, trade, industrialization, and urbanization have affected humans' relationships with nature; and how the environment has affected historical developments.

HIST Concentrations: Global Economies, Encounters, and Exchange; Environment, Science, and Technology.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1110 Ancient Mediterranean History (4 semester hours)

Examines the origins of Mediterranean societies and cultures, exploring shared contacts and links, from the end of the Bronze Age to the end of Antiquity, 1000 BC-AD 600.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1120 Heirs of Rome: Europe, Byzantium, and Islam in the Early Middle Ages (4 semester hours)

Considers the emergence of three distinct civilizations - the West, Byzantium, and Islam - out of the Roman Empire; their expansion, divergence, and mutual interactions in the Early Middle Ages; and their clash in the Crusades of the twelfth and thirteenth century.

HIST Concentration: Global Economies, Encounters, and Exchange.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1130 Crisis and Expansion: Europe and the World, 1200-1648 (4 semester hours)

This lower division Core course will survey the major developments in European history over four pivotal centuries. From the Black Death and other crises that wracked Europe during the later Middle Ages, this course will move into the early modern period, examining movements of religious reform, religious wars, and European overseas expansion.

HIST Concentration: Global Economies, Encounters, and Exchange.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1200 European Empires, Exploration, and Exchange since 1500 (4 semester hours)

A study of the ways in which Europeans interacted with the rest of the world, in terms of exploration, trade, exchange, and imperialism. Students will study the development of overseas empires from the early Portuguese and Spanish exploration of Africa, and Americas, and the Indian Ocean to the late-19th-century "Scramble for Africa" and the establishment of global dominance in the years before the world wars of the 20th century.

HIST Concentration: Global Economies, Encounters, and Exchange.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1201 Power, Privilege, and Agency in Modern Europe (4 semester hours)

A study of the political, social, economic, intellectual, and cultural developments in Europe from 1500 to the present, by looking at the related dynamics of power, privilege, agency, and experience. Students will use selected case studies about power, privilege, and agency as a means to interrogate how various categories of difference came to define power relations in both local and global encounters.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1202 The Individual, the State, and Civil Society in Modern Europe (4 semester hours)

A study of the history of Europe from the Renaissance to the present in terms of the changing ways in which European cultures have defined a good society and imagined the possibilities for individual action in the world.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1203 Religion, Society, and the Search for Meaning in Modern Europe (4 semester hours)

A study of the history of Europe in a global context and in terms of the impact of the changing religious belief, practice, and institutional structures in the period from 1500 to the present. Students will consider religion as a social practice and historical artifact.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1204 Revolutions in the Making of Modern Europe (4 semester hours)

This course uses the notion of "revolution" as a prism through which to examine the political, economic, social, and cultural transformations in "the West" since 1500. Special emphasis will be on the question of change and continuity, as a means to examine "turning points" in European history.

HIST Concentration: Global Economies, Encounters, and Exchange.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1250 Black Europe (4 semester hours)

Black Europe focuses on the historical experiences of Africans and people of African descent in Europe from antiquity to the present. The courses used the analytical categories of race and Blackness to rethink European history, as well as to consider Europe in a broader global context.

HIST Concentrations: Race, Gender, and Culture; Global Economies, Encounters, and Exchange; Public and Applied History.
University Core fulfilled: Explorations Historical Analysis and Perspectives.

HIST 1300 Becoming America (4 semester hours)

This course is an introductory survey of American history from the pre-Columbian period to the eve of the Civil War. It focuses on the interaction of Europeans, Native Americans, and Africans from first contact to circa 1850, focusing on the experiences of individuals and groups and examines their relationships to the broader structures of American society.

HIST Concentrations: Law, Politics, and Society; Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1301 American and the Atlantic World 1450-1850 (4 semester hours)

The trans-Atlantic world of Europe, Africa, and the Americas as a single unit of study in the wake of the voyages of Columbus, including the North American colonies and early United States, the slave trade and plantation complex, the Columbian exchange, revolutions, and abolition.

HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1400 The United States and the World (4 semester hours)

This course serves as an introductory survey of United States history from the nineteenth century to the present. It focuses on the experiences of groups and individuals and their relationships to the broader structures of United States society by examining changes to American society over time, exploring their causes, and analyzing their consequences within a transnational context.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1401 The United States and the Pacific World (4 semester hours)

This class surveys the ways in which U.S. interchanges with Asia and the Pacific Islands have transformed cultural, political, ideological, and socioeconomic developments on both sides of the Pacific from the earliest contact to the twenty-first century within global and comparative frameworks.

HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1500 State, Society, and the Citizen in the Modern Middle East (4 semester hours)

This course explores the history of the Middle East from 1453 to the present through an examination of the evolving relationship between the state and the subject/citizen and the question of identity.

HIST Concentrations: Global Economies, Encounters, and Exchange; Law, Politics, and Society.
University Core fulfilled: Explorations: Historical Analysis and Perspective.

HIST 1501 Islamic Societies: Religion and Empire (4 semester hours)

This course is a survey of the pre-modern Middle East and the Islamic world from the rise of Islam through the early modern empires (500-1500 CE) by examining the transformation of Islam from a small religious community to an expansive civilization and society. The course hones in on themes of religion, empire, identity, science and technology, culture, and gender. HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture; Law, Politics, and Society.

University Core Fulfilled: EXP. Historical Analysis and Perspectives.

HIST 1510 Minorities and Women in the Modern Middle East (4 semester hours)

This course explores the history of the Middle East from 1453 to the present through an examination of the twin impact of Islam and the West on the lives of minorities (ethnic and religious) as well as the status of women.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1520 The Social Lives of Commodities in the Modern Middle East (4 semester hours)

This course explores the history of the Middle East from 1453 to the present by focusing on a number of commodities (such as tulips, silk, and oil) to chart regional and global socio-economic and cultural connections as well as change over time.

HIST Concentration: Global Economies, Encounters, and Exchange.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1600 African States and Societies since 1800 (4 semester hours)

This course addresses the political, social, and cultural history of Africa since 1800. Among the questions it explores are changing systems of governance, shifting borders and identities, and dynamics of colonialism, the diversity of African societies and cultures, and their resilience in the face of historical changes.

HIST Concentration: Global Economies, Encounters, and Exchange.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1610 History of Africa to 1800 (4 semester hours)

This course examines the complexity and diversity of peoples, cultures, and histories across the African continent, with an emphasis on Africa's centrality to world history prior to 1800. Topics include early civilizations, human migrations, great medieval empires, the diffusion and role of religions including Islam, trade and economic networks, the transatlantic slave trade, and the early stirrings of colonialism.

HIST Concentrations: Global Economies, Encounters, and Exchange (HGEE) AND Race, Gender, and Culture (HRGC)

HIST 1700 Colonial Latin America (4 semester hours)

An introduction to indigenous, African, and Iberian backgrounds. Examines colonial societies through social, economic, and political institutions with attention to the contributions of Indians, Africans, and Europeans to the creation of Latin America's diverse societies.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1750 Modern Latin America (4 semester hours)

Surveys the nations of Latin America from their independence until the present. Emphasizes the process of nation-building, governance, socioeconomic integration, and coping with modernization.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1800 Modern Asia: China, Korea, and Japan since 1600 (4 semester hours)

This course introduces the history of East Asia from 1600 to the present. It explores the political, socio-economic, and cultural history of China, Japan, and Korea and focuses on empire-building, economic expansion, nationalism, socialism, decolonization, and popular culture.

History Concentration: Global Economies, Encounters, and Exchange.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1850 East Asia: Origins to 1600 (4 semester hours)

This course explores the origins and development of East Asian states and cultures from the earliest times to the early modern era. Topics include the emergence and development of such essential heritages of East Asia as Confucianism, Sinicized Buddhism, bureaucratic institutions, legal culture, social order, diplomatic relations, and trading networks.

HIST 1900 Science, Nature, and Society (4 semester hours)

This course examines the history of European and North American societies and cultures through the lens of science and nature from the sixteenth century to the present. It traces the history of ideas about science and nature in relation to broader social, economic, and political developments, demonstrating the inseparability of science and social context.

HIST Concentration: Environment, Science, and Technology.
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

HIST 1910 Difficult Histories (4 semester hours)

This course examines "difficult histories" such as settler colonialism, slavery, empire, war, and genocide. We will analyze both historical developments themselves and how societies have grappled with the difficult aspects of their own pasts, including how they represent and debate those histories and how understandings of the past shape the present.

Fulfills History Concentrations: Public and Applied History; Race, gender, and Culture; Global Economies, Encounters, and Exchange

HIST 1995 Introduction to History (1 semester hour)

An introduction to the History major, to Loyola Marymount University, and to the various curricular and co-curricular opportunities available to students.

Credit/No Credit only.

HIST 1998 Special Studies (1-4 semester hours)**HIST 1999 Independent Studies (1-4 semester hours)****HIST 2000 What Is History? (4 semester hours)**

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2050 Seminar in World History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in world history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2200 Seminar in European History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in European history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2300 Red, White, and Black: Race in Colonial America (4 semester hours)

A social and cultural history of North America from the pre-Columbian period to the American Revolution with a focus on the roots of American race relations. The course will address the impact of competing cultures as they developed and collided during 200 years of conflict.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Foundations: Studies in American Diversity.

HIST 2400 Picturing Race and Gender (4 semester hours)

Using interdisciplinary approaches and cross-cultural perspectives, this class delves into the ways in which visual imageries have been used to create and shape notions of race and gender, both reflecting and influencing socioeconomic relations, cultural expectations, and political norms in the United States.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Foundations: Studies in American Diversity.

HIST 2405 Civil Rights Activism, 1880-Present (4 semester hours)

This course examines the history of U.S. civil rights activism and advocacy from the late-nineteenth century to the present, tracing the efforts by several groups to achieve and expand the full rights of United States citizenship, including African Americans, Native Americans, immigrants, LGBT, and women. It also draws connections between activism movements in the United States and throughout the world.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Foundations: Studies in American Diversity.

HIST 2410 Race and Ethnicity in America (4 semester hours)

This course surveys the history of race and ethnicity in the lands that became the United States from the fifteenth century to the present, focusing on three, overlapping themes: (1) the efforts by European nations and the United States to colonize the lands of North America, in part through the subjugation of particular groups such as American Indians, African Americans, and immigrants from Europe, Asia, and Latin America; (2) the ways that these groups have negotiated such oppression and claimed places within U.S. culture and society; and (3) the intersection of race and ethnicity with other categories of difference, such as gender, class, religion, and sexuality.

HIST Concentration: Race, Gender, and Culture.
University Core fulfilled: Foundations: Studies in American Diversity.

HIST 2420 American Indian History (4 semester hours)

This course surveys American Indian history from the fifteenth century to the present, beginning with the arrival of Europeans on North American shores and ending with the various and complex issues facing Native peoples in contemporary U.S. society. It focuses on three themes: (1) the efforts by European nations and the United States to colonize the lands of North America and establish dominion over its Native populations; (2) the struggles by Indian peoples to negotiate the tremendous changes ushered in by European and American presence in North America; and (3) the ways that Native peoples have claimed places within U.S. culture and society, at the same time that they have redefined their identities as indigenous peoples in both national and international contexts.

HIST Concentration: Race, Gender, and Culture.

University Core fulfilled: Foundations: Studies in American Diversity.

HIST 2450 Seminar in American History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in American history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2500 Seminar in Middle Eastern History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in Middle Eastern history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2600 Seminar in African History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in African history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2700 Seminar in Latin American History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in Latin American history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2800 Seminar in Asian History (4 semester hours)

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode in Asian history, this is an intensive course on how historians approach problems.

History majors and minors only.

HIST 2900 Internship (1-4 semester hours)

A course for those students who wish to earn academic credit for an unpaid internship.

HIST 2910 Telling History in Public (4 semester hours)

An introduction to the study of history, including historical method, the writing of history, and historical interpretation, with a particular focus on public history—that is, those aspects of historical work that engage the public with the past, including both the study of public narratives about the past and the practice of public history.

History majors and minors only.

HIST Concentration: Public and Applied History.

University Core fulfilled: Flags: Engaged Learning.

HIST 2995 History Learning Community (1 semester hour)

A learning community course organized around the thematic focus of one of the History program concentrations.

Credit/No Credit only.

HIST 2998 Special Studies (1-4 semester hours)**HIST 2999 Independent Studies (1-4 semester hours)****HIST 3040 Magic, Science, and Religion (4 semester hours)**

This course explores the intersection and entanglements of science, magic, and religion throughout history. We will examine how the category of “science” has evolved over time and its relationship to the porous boundaries of what is deemed “magic” and “religion.” Our regional scope will be global moving from the premodern Near East and Asia to early modern Europe with special attention paid to multiple cultural and intellectual renaissances. Through an exploration of the relationship between alchemy and chemistry, astrology and astronomy, and magic and medicine, we will develop a lens for understanding premodern and early modern peoples’ engagement with the knowable and unknowable, belief, liminality, and knowledge as power and production.

History Concentrations: Environment, Science, and Technology (HEST); Global Economies, Encounters, and Exchange (HGEE)

HIST 3050 The First World War (4 semester hours)

This course explores the history of the Great War in the Middle, Western Europe, the United States, Russia, and Australia/New Zealand, with a focus on the impact of the war of society, art, and culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3124 Pagans and Saints: Christian Missionaries to 1650 (4 semester hours)

Studies the interactions between Christian missionaries and non-Christian peoples from the Roman period to the seventeenth century. Topics include the spread of Christianity to Ireland, Germanic Europe, and the Mongols, as well as missionary encounters with China, Japan, and the New World. A principal focus will be on the methods used by preachers to spread their message and the ways native cultures helped shape Christianity.

University Core fulfilled: Integrations: Faith and Reason.

HIST 3200 European Reformations (4 semester hours)

This course traces the religious transformation that took place in the early modern Christian world from the Great Western Schism in the fourteenth century to the Peace of Westphalia that ended the Thirty Years War. The focus will be on (1) the Protestant reformations, (2) the Catholic reform, and (3) the process of European confessionalization leading to the wars of religion in the seventeenth century.

University Core fulfilled: Integrations: Faith and Reason.

HIST 3210 Other Europes (4 semester hours)

Other Europes focuses on the experiences of often marginalized groups in European history, including people of African, Asian, and Middle Eastern descent, religious minorities such as Jews and Muslims, women, queer Europeans, the disabled, and more. What other Europes are out there that need examining (e.g., a Black Europe, a Jewish Europe, a queer Europe)?

HIST Concentrations: Race, Gender, and Culture; Public and Applied History.

University Core fulfilled: Interdisciplinary Connections.

HIST 3252 Crime Stories: Morality, Deviance, and Popular Culture in Modern Britain (4 semester hours)

This course examines the history of the 1860s, the 1930s, and the 1960s through British detective fiction. Considering how and why such radical transformation took place, students examine how fictional narratives relate to contemporary ideas about morality and deviance, helping to undermine, reimagine, or reinforce existing power structures.

HIST Concentration: Race, Gender, and Culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3272 Culture and Politics of Weimar Germany (4 semester hours)

This course explores the history of interwar Germany and the paradoxes of Weimar "modernity" from an interdisciplinary perspective, integrating an analysis of cultural developments with an analysis of political and social developments.

HIST Concentration: Race, Gender, and Culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3275 The Balkans: History, Culture, Politics (4 semester hours)

This course will focus on the history of political, religious, and social movements in the Western Balkans, with an emphasis on understanding how these movements led to conflicts of world significance.

Taught on Croatia Study Abroad Program.

HIST 3282 History of Russian Foreign Policy (4 semester hours)

With borders stretching from Europe to Asia, Russia has long had global foreign policy interests. Starting with the Napoleonic Wars, pausing at the Cuban Missile Crisis, and ending with the collapse of the Soviet Union, this course explores a global power's influence and ambition on the global stage.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3430 Religion and U.S. Political History (4 semester hours)

This course surveys the history of the intersection of religion (including religious social and political life) and politics in modern America, from the post-Civil War period until the present day.

University Core fulfilled: Integrations: Faith and Reason.

HIST 3452 US Environmental History (4 semester hours)

Grounded in US Environmental History – which examines relationships between humans and the environment and how they change over time, as well as the role of the environment in social, cultural, and political history – this course focuses on the history of environmental inequalities and movements for environmental justice, with particular attention to BIPOC, women, and working-class populations.

HIST Concentrations: Environment, Science, and Technology; Race, Gender, and Culture

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3600 Conflict and Genocide in Africa (4 semester hours)

This course will cover the causes, dynamics, and consequences of conflict in Africa. It will examine some of the conflicts that have become genocidal, debate the characteristics of war that make one conflict a genocide and another a just war. The course delves into conflict analysis and resolution debates; the international humanitarian, legal, and diplomatic responses, including a reflection on the emergence of the term "genocide"; the global politics and commerce that fanned conflicts in Africa; the search for peace and stability in post-cold war Africa; and the place of Africa in the global "war on terrorism."

HIST Concentration: Race, Gender, and Culture.

HIST 3702 Women in Colonial Latin America (4 semester hours)

A historical exploration of the place of women and men within the social systems of pre-Columbian and colonial Latin America. The course explores the gendered dimensions of the economy, politics, and culture in indigenous, Spanish, and contemporary societies.

HIST Concentration: Race, Gender, and Culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3704 Latin American Revolutions in Film (4 semester hours)

Film and the history of two of Latin America's most infamous revolutionary movements: The Mexican Revolution of 1910 and the Cuban Revolution of 1959. This course examines these movements in the context of 19th- through 20th-century Latin America, specifically in conversation with the region's struggles with independence, political stability, economic development, migrations, and urbanization. The course also examines the legacies of revolution in the contemporary Latin American landscape, specifically analyzing ongoing struggles with economic development, democratic stability, migrations, uprisings, and drug wars.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3706 Justice in Latin America (4 semester hours)

This course examines concepts of justice in Latin America and applies them to social, political, and economic problems in Latin America, from 1492 to the present, to debate solutions. An engaged learning experience will allow students to add another layer of critical analysis to their historical research as they assess the Latin American experience.

HIST Concentration: Law, Politics, and Society.

HIST 3708 Race in Colonial Latin America (4 semester hours)

This course examines the complicated history of race in Latin America, including how Latin Americans used race to organize society and how this social construct shaped the experiences of men and women of different ethnic and socioeconomic backgrounds. Topics include: race mixture, racial classification, and cultural hybridity; slavery and emancipation; immigration; nationalism and citizenship; and the intersections of race, gender, and class.

HIST 3810 The Chinese Economy (4 semester hours)

This course explores the characteristics and development of the modern Chinese economy, including economic developments in the PRC as well as the long-term historical processes that continue to influence the path of China's development.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 3820 Environment and Economy in China (4 semester hours)

This course investigates the interactions between human activities and their environment in Chinese history. Topics include visions of the relationship between nature and humanity in Chinese philosophy, climate change, demographic trends, food security, interventions of the imperial state, and ecological transformations on China's frontiers.

HIST Concentration: Environment, Science, and Technology.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3910 Museums and Society (4 semester hours)

This course introduces students to the issues and practice of museum studies and the history of museums. The course considers the history and theory of museums in different national, regional, and transnational contexts, considering in particular the development of art, history, and ethnographic museums.

HIST Concentration: Public and Applied History.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 3998 Special Studies (1-4 semester hours)**HIST 3999 Independent Studies (1-4 semester hours)****HIST 4010 Pirates and Piracy (4 semester hours)**

The history of maritime piracy from its ancient maritime roots to present. The course will include coverage of ocean basin histories, maritime labor, society and culture, especially in the Atlantic, Indian, and Pacific Oceans, with a special focus on the "Golden Age" in the Atlantic/Caribbean during the 17th and 18th centuries.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 4020 Mediterranean Cities (4 semester hours)

This course approaches the history of the medieval and early modern Mediterranean Sea (ca. 700-1700) through an examination of its cities and, to a lesser extent, its islands.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 4050 Global History of Food (4 semester hours)

Using interdisciplinary methodologies, this course explores the ways in which food has the power to both define and reflect cultural, socioeconomic, religious, and political realities within a transnational context.

HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture.

HIST 4101 Ancient Greece (4 semester hours)

Explores the origins of the Greeks from Homeric times to the death of Philip of Macedon. Topics include the developments of political forms, including democracy, and most notably, drama and philosophy against the background of war and conflict.

HIST 4102 Alexander and the Hellenistic World (4 semester hours)

Examines the career and impact of Alexander the Great, particularly as seen in the expansion of Greek culture across the Mediterranean world and to the East as far as India. Topics include the Hellenization of non-Greeks, Jews, and Romans in particular, and the further development of philosophy and learning.

HIST 4105 Ancient Rome (4 semester hours)

Studies the origins of the city of Rome with the Etruscans and its transformation into that of Romans, and how the Romans expanded through Italy and conquered the Mediterranean world, ca. 800 BC-AD 44. Topics include the issue of Romanization, political development, the idea of empire, and the assimilation of Greek culture.

HIST 4106 Imperial Rome (4 semester hours)

Explores the world of Imperial Rome from Britain to Mesopotamia, from the reign of Augustus to the end of classical antiquity, ca. 27 BC-AD 600. Topics include Romanization and the imperial system, the origins, survival, and victory of Christianity, and Rome's struggles with Persians and Germans.

HIST 4122 The Rise of Medieval Europe (4 semester hours)

Traces the emergence of a coherent European civilization from the collapse of Roman power in the fifth century to the rise of new forms of Latin Christian unity in the eighth through eleventh centuries.

HIST 4126 Medieval Spain: Land of Three Faiths (4 semester hours)

This upper division course will cover eight centuries of Spanish history, from the founding of Muslim al-Andalus (711 CE) to the Christian conquest of Granada (1492 CE). A dominant theme of this course will be the shifting dynamics of power and interconfessional relations of Spain's Jewish, Muslim, and Christian inhabitants.

HIST Concentration: Race, Gender, and Culture.

HIST 4132 The Viking World (4 semester hours)

Explores Viking society from the late eighth to the early eleventh century, including the reasons for the Scandinavian invasions of early-medieval Europe, the course and consequences of Viking activity in the British Isles and France, the wider settlement of the Norse from Russia to Greenland and North America, and the Christianization of the Viking world.

HIST Concentrations: Global Economies, Encounters, and Exchange; Law, Politics, and Society.

HIST 4142 The Transformation of Medieval Europe (4 semester hours)

Examines the fragmentation of the medieval forms of European unity from the twelfth through sixteenth centuries. Topics include political and social change, questions of authority, and religious strife.

HIST 4150 Law and Society in Medieval Europe (4 semester hours)

This course traces the history of law from the Roman Empire through "legal revolution" of the twelfth and thirteenth century. Topics include the relationship between legislation and judicial practice, the intersecting concepts of crime and sin, the development of legal processes such as inquisition, and the emergence of law as a profession.

HIST Concentration: Law, Politics, and Society.

HIST 4200 Early Modern Europe (4 semester hours)

A study of the political, intellectual, social, economic, and cultural developments in Europe from the Renaissance through the Enlightenment.

HIST 4205 Europe in the Long Nineteenth Century (4 semester hours)

A study of the political, social, economic, intellectual, and cultural developments in Europe during the "long nineteenth century," from the French Revolution to the Great War.

HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture.

HIST 4206 20th-Century Europe (4 semester hours)

A study of the political, social, economic, intellectual, and cultural developments in Europe from the Great War through the end of the twentieth century.

HIST 4215 European Imperialism (4 semester hours)

A study of the "new imperialism" in Africa and Asia in the nineteenth and twentieth centuries, including the origins and dynamics of European imperialism, the structures of colonial rule, the effects on the colonized and their responses, and decolonization.

HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture.

HIST 4225 Gender and Sexuality in European History (4 semester hours)

A study of European history using gender and sexuality as the primary categories of analysis. The course examines how gender and sexuality have shaped questions of identity and power relations in modern European societies, including the roles that men and women play in society; notions about femininity, masculinity, and queerness; and changing norms regarding sexuality.

HIST Concentration: Race, Gender, and Culture.

HIST 4230 The City in European History (4 semester hours)

From the Renaissance city-state to burgeoning industrial cities of the nineteenth century to socialist urban agglomerations of the twentieth century, this course explores the political, economic, and social fabric of European cities.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 4250 Modern Britain and the British Empire (4 semester hours)

A study of how Britain helped build the Atlantic slave-based economic system, used these resources to become the world's first industrial nation, expanded its global empire, became a democracy, and has struggled with its identity since its colonies became independent and it joined (and then left) the European Union.

HIST Concentrations: Global Economies, Encounters, and Exchange; Race, Gender, and Culture.

HIST 4255 Modern Ireland (4 semester hours)

Covers key events of Ireland's struggle for independence, incorporating debates about the uses of history and memory, the formation of national identity, and the politics of nostalgia.

HIST 4260 The French Revolution (4 semester hours)

An inquiry into the causes of the fall of the French monarchy, the creation of a civic order, a new political culture, and the impact of war and terror on French society.

HIST 4271 Modern Germany (4 semester hours)

A study of the history of Germany from the establishment of the German nation-state to the present, including the two world wars, the Weimar Republic, Nazism and the Holocaust, the two Germanies of the Cold War period, and German unification.

HIST 4272 20th-Century Eastern Europe (4 semester hours)

A study of the political, social, economic, and cultural developments in the states between Germany and Russia from the collapse of the Habsburg, German, and Ottoman Empires after World War I to the Balkan Wars at the end of the twentieth century.

HIST 4273 Nazi Germany (4 semester hours)

An examination of the history of Nazi Germany, including the National Socialism as an ideology, the Nazi seizure of power, the power structures of the Third Reich, German society and culture under Nazism, and the Holocaust.

HIST Concentrations: Public and Applied History; Race, Gender, and Culture.

HIST 4280 The Rise of Russia, 900-1825 (4 semester hours)

A study of the origins of the Russian Empire from the arrival of the Vikings to the emergence of Russia as a Great Power. Topics include autocracy, serfdom, religious revolts, imperial expansion, and competitive emulation of the West.

HIST 4281 Modern Russia, 1825-1991 (4 semester hours)

Traces the revolutionary challenges to the Romanov dynasty, attempts to modernize the multinational empire, the revolution and civil war, and the interplay between communism and nationalism in the history of the Soviet Union.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 4282 Ethnicity and Empire in Russia (4 semester hours)

During the Cold War, scholars overlooked the ethnic diversity of the Soviet Union and focused simply on the Russians. This course takes the experience of multiple ethnic groups - Ukrainians, Jews, Tatars - into consideration and examines the history of Russia as the history of a multi-ethnic state.

HIST 4300 Colonial America (4 semester hours)

A study of the origin and growth of the English colonies from 1607 with a focus on the development of colonial economic, social, and intellectual life.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 4301 Revolutionary America (4 semester hours)

An examination of the origins, course, and results of the American Revolution.

HIST 4302 Jacksonian America (4 semester hours)

A study of the United States during the first half of the nineteenth century, focusing on the social, cultural, economic, and political developments of the era.

HIST Concentrations: Law, Politics, and Society; Race, Gender, and Culture.

HIST 4303 The Civil War (4 semester hours)

A history of the Civil War era that covers the causes, fighting, and consequences of the war.

HIST Concentration: Law, Politics, and Society.

HIST 4304 Nineteenth-Century America (4 semester hours)

A social and cultural history of nineteenth-century America. Covers such topics as industrialization, urbanization, religion, literature, westward migration, immigration, class formation, gender, and race.

HIST 4305 Victorian America (4 semester hours)

An examination of American culture and society in the second half of the nineteenth century, focusing on such diverse topics as family, sexuality, popular culture, urbanization, immigration, class conflict, race relations, and America's place in the world.

HIST Concentrations: Law, Politics, and Society; Race, Gender, and Culture.

HIST 4400 Rise of Modern America (4 semester hours)

An examination of American culture and society in the early twentieth century, focusing on such topics as race, class, gender, consumerism, reform movements, and America's place in the world.

HIST 4401 Recent America (4 semester hours)

The course examines U.S. history from the New Deal to the present and focuses on the dialectical relationship between the United States and the world. Themes include U.S. involvement in international economic, military, and ideological conflicts; the study of various modern racial, gender, and economic social movements; national political debates; and post-WWII consumer and popular cultures.

HIST Concentration: Race, Gender, and Culture.

HIST 4402 Politics and Culture of the Cold War, 1917-1989 (4 semester hours)

Beginning with the Russian Revolution of 1917 and ending with the fall of the Berlin Wall in 1989, this class examines the ways in which rivalries among nations and anticommunist efforts around the world impacted the development of American societies and cultures.

HIST Concentration: Global Economies, Encounters, and Exchange.

HIST 4403 Consensus and Conflict: America in the 1950s and 1960s (4 semester hours)

This class focuses on two pivotal decades in twentieth-century American history by addressing topics such as changing gender and racial identities, the Counterculture, the Civil Rights Movement, and international politics.

HIST Concentration: Race, Gender, and Culture.

HIST 4410 History of Los Angeles (4 semester hours)

The history of Greater Los Angeles from the eighteenth century to the present, focusing on migration, economic development, race and ethnic relations, and the city's relationship to the rest of the world.

HIST Concentration: Race, Gender, and Culture.

HIST 4411 The American West (4 semester hours)

The history of the American West from the seventeenth century to the present, focusing on settlement, Native American experience, economic development, environment, and the West in popular culture.

HIST Concentrations: Environment, Science, and Technology; Race, Gender, and Culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 4412 History of California (4 semester hours)

The history of California from the eighteenth century to the present, focusing on migration, economic development, race and ethnic relations, and the relationship of the state to the rest of the world.

HIST Concentration: Race, Gender, and Culture.

HIST 4423 Asians in America: From the "Yellow Peril" to the "Model Minority" (4 semester hours)

This class traces the many-faceted histories of Asian Americans and Pacific Islanders from cross-cultural and transnational perspectives, beginning with the earliest immigration to the present era.

HIST Concentrations: Global Economies, Encounters and Exchange; Race, Gender, and Culture.

HIST 4425 Chicana/o History (4 semester hours)
(See CHST 3360.)

HIST Concentration: Race, Gender, and Culture.

HIST 4427 Immigrant America (4 semester hours)

The history of immigration to the United States from the colonial period to the present, focusing on immigrant experiences, transnational ties, immigration law, and citizenship, as well as the ways that race, class, gender, religion, and sexuality shaped Immigrant America.

HIST Concentration: Race, Gender, and Culture.

HIST 4430 Women in American History (4 semester hours)

An exploration of women's experience in American history from the colonial period to the present, with emphasis on such variables as class, race/ethnicity, and region, as well as the impact of changing gender roles on American society, culture, and politics.

HIST Concentration: Race, Gender, and Culture.

HIST 4431 History of Childhood and the Family (4 semester hours)

A history of childhood and the family from the colonial era to the present. Examines the diverse experiences of children and families in North America, with special attention to gender, race, class, and regional issues. Also explores how notions of childhood and the family changed over time.

HIST Concentration: Race, Gender, and Culture.

HIST 4432 American Reform Movements (4 semester hours)

An examination of the major reform impulses in American society, including such movements as abolitionism, Women's Rights, Progressivism, and Civil Rights.

HIST Concentrations: Law, Politics, and Society; Race, Gender, and Culture.

HIST 4433 Health and Disease in American Culture (4 semester hours)

The history of health, disease, and medicine in the American social and cultural context, from the colonial period to the present.

HIST Concentrations: Environment, Science, and Technology; Race, Gender, and Culture.

HIST 4440 Imagining Asian Pacific America (4 semester hours)

Using interdisciplinary approaches and cross-cultural perspectives, this class explores the ways in which certain Asian Americans and Pacific Islanders have been portrayed and, in turn, have portrayed themselves in the visual culture throughout historical time and space.

HIST Concentration: Race, Gender, and Culture.

HIST 4441 Hollywood and History (4 semester hours)

An examination of the motion picture industry and the relationship of films to United States society from the early twentieth century to the present.

HIST Concentration: Race, Gender, and Culture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

HIST 4442 Westerns and History (4 semester hours)

An examination of the motion picture industry and the relationship of films to United States society from the early twentieth century to the present, focusing on films set in the American West.

HIST Concentration: Race, Gender, and Culture.

HIST 4450 Urban America (4 semester hours)

This course charts the history of the modern American city (in global context), from the post-Civil War period until the present day, with special emphasis on major metropolitan regions such as New York, Chicago, and Los Angeles.

HIST Concentration: Law, Politics, and Society.

HIST 4453 The Invention of Communities (4 semester hours)

This class examines a multitude of socioeconomic, political, ideological, and cultural conditions that have caused the formation as well as the disintegration of communal bonds in 19th- and 20th-century United States.

HIST Concentration: Race, Gender, and Culture.

University Core fulfilled: Interdisciplinary Connections.

HIST 4510 Star, Cross, and Crescent (4 semester hours)

This course examines the status of Jews and Christians in the Middle East from the rise of Islam to the present, focusing on the local as well as international factors that affected their status over time. The course also considers the history of other marginalized groups such as slave-soldiers, gypsies, and eunuchs.

HIST 4520 The Ottoman Empire (4 semester hours)

This course examines the history of the Ottoman Empire from the 13th century to the end of WWI. It focuses on Ottoman political, legal, and social institutions and practices as they evolved over time.

HIST Concentrations: Global Economies, Encounter, and Exchange; Law, Politics, and Society.

HIST 4530 Jerusalem: 3 Religions, 1 City (4 semester hours)

From antiquity to modern times, Jerusalem has been an important site for the three Abrahamic faiths and contemporary geopolitics. This class examines the 3,000 year history of how and why Jerusalem came to be an important city through the cooperation and entanglements of Judaism, Christianity, and Islam.

History Concentrations: Law, Politics, and Society; Race, Gender, and Culture

HIST 4540 The Palestine/Israel Conflict (4 semester hours)

This course examines the history of the Palestine/Israel conflict from its beginnings in the late 19th century to the present.

HIST Concentration: Race, Gender, and Culture.

HIST 4600 African Kingdoms (4 semester hours)

A study of significant kingdoms of Black Africa exploring the major themes of the period.

HIST 4610 A Quest for the Nile's Source (4 semester hours)

A study of the quest for the source of the Nile River and the interaction of African, European, and Asian peoples in the area.

HIST 4620 South Africa (4 semester hours)

The history of South Africa during the last two centuries with emphasis on political rivalries, apartheid, and economic development.

HIST 4630 History of Environment and Technology in Africa (4 semester hours)

The history of the environment and technology in Africa from 1500 to the present, focusing on the African continent as incubator of technological and environmental innovation, the diversity of African cultures, and connections between Africa and other world regions.

University Core fulfilled: Interdisciplinary Connections.

HIST 4640 Colonial Africa, 1860-1980 (4 semester hours)

A study of the inception and development of European rule over various parts of Africa by European imperialists of the 19th and 20th centuries, leading to an examination of the processes by which African countries gained their independence in the second half of the 20th century.

HIST 4650 The Cold War in Africa (4 semester hours)

The history of the Cold War from the perspective of African nations and peoples, emphasizing decolonization, national liberation movements, foreign intervention, and the relationship between African and world politics.

HIST 4700 Early Mexico (4 semester hours)

The major social, political, and economic trends and events in Mexico from the Independence movement to the present. The course examines mass movements; leadership; popular culture; globalization; violence, gender, and drugs; and the political and cultural impact of changing domestic and international policies.

HIST Concentration: Race, Gender, and Culture.

HIST 4705 The Inquisition: The Holy Office in Europe, Asia, and America (4 semester hours)

An examination of the actual historical institutions behind the modern myths of the Spanish and Portuguese Inquisitions, from their establishment in the late fifteenth/early sixteenth centuries to their abolition in the early nineteenth century. Topics include the 16th-century proto-inquisitorial efforts to prosecute indigenous idolatry and sorcery by episcopal tribunals; the prosecution of Jews, Protestants, and "illuminated" men and women in the 17th and 18th centuries; and the history of the Inquisition in Spain and Portugal's American and Asian colonies.

HIST Concentration: Law, Politics, and Society.

HIST 4820 Modern China (4 semester hours)

This is a course on modern Chinese history from the mid-nineteenth century to the present. Major themes examined are the collapse of the traditional Chinese world order, the failure of the republican revolution of 1911, the birth of Chinese nationalism, Mao Zedong's Chinese communism, and Deng Xiaoping's strategy for modernization.

HIST 4830 Women in East Asian History (4 semester hours)

An exploration of the ways in which specific institutional arrangements, political settlements, and economic changes informed the organization of family and lineages, inheritance practices, work, and thus shaped the lives of women.

HIST Concentration: Race, Gender, and Culture.

HIST 4900 Internship (1-4 semester hours)

A course for those students who wish to earn academic credit for an unpaid internship.

HIST 4910 Topics in Public History (4 semester hours)

This course introduces students to the issues and practice of public history, which is dedicated to addressing and engaging the broader public in issues of history, memory, commemoration, and identity. Public history refers to all of those aspects of historical work that engage the public with the past, offering interpretation, inviting active consideration, and communicating the importance of history to current ideas, practices, identities, and debates. Such public venues include museums, historical sites, archives, government agencies, popular media, and now the broad spectrum of historical exhibition online.

This course may be repeated for degree credit up to two times as long as topic is different.

HIST Concentration: Public and Applied History.

HIST 4998 Special Studies (1-4 semester hours)**HIST 4999 Independent Studies (1-4 semester hours)****HIST 5000 Seminar in World History (4 semester hours)**

A seminar on a topic in world history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.

History majors and minors only.

HIST 5100 Seminar in Ancient History (4 semester hours)

A seminar on a topic in ancient history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5110 Seminar in Medieval History (4 semester hours)

A seminar on a topic in medieval European history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5115 Seminar in Early-Modern European History (4 semester hours)

A seminar on a topic in early-modern European history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5200 Seminar in Modern European History (4 semester hours)

A seminar on a topic in modern European history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5400 Seminar in American History (4 semester hours)

A seminar on a topic in American history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5500 Seminar in Middle Eastern History (4 semester hours)

A seminar on a topic in Middle Eastern history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5600 Seminar in African History (4 semester hours)

A seminar on a topic in African history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5700 Seminar in Latin American History (4 semester hours)

A seminar on a topic in Latin American history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5800 Seminar in Asian History (4 semester hours)

A seminar on a topic in Asian history, in which students will explore the historical literature around a given topic and then produce a work of original research.

Juniors and seniors only.
History majors and minors only.

HIST 5900 Senior Thesis (4 semester hours)

A course for students who wish to pursue an intensive research project under faculty direction, culminating in a thesis based on primary source research.

HIST 5995 Capstone ePortfolio (1 semester hour)

Students complete an ePortfolio to synthesize and integrate their learning experiences in the History major.

Credit/No Credit only.

HMNT 1998 Special Studies (1-4 semester hours)**HMNT 1999 Independent Studies (1-4 semester hours)****HMNT 2998 Special Studies (1-4 semester hours)****HMNT 2999 Independent Studies (1-4 semester hours)****HMNT 3251 Italian Food Cultures (4 semester hours)**
(See ITAL 3251.)**HMNT 3370 Cinema in Rome: Rome in Cinema (4 semester hours)**
(See ITAL 3370.)**HMNT 3998 Special Studies (1-4 semester hours)****HMNT 3999 Independent Studies (1-4 semester hours)****HMNT 4230 The Roman Baroque: Art, Architecture, and Culture (4 semester hours)**
(See ITAL 4230.)

HMNT 4993 Literature, Photography, and the Uncanny (4 semester hours)

This course explores the intimate connection between writing and photography, looking at the ways in which writers mobilize photography in different literary forms from the short story to detective fiction. If today we understand the photograph as a privileged source of evidence, our selection of texts challenges the comfortable maxim that "seeing is believing." Pairing texts on photographic practice and theories of photography such as Henry Fox Talbot's *The Pencil of Nature* with fiction that draws on the emergent technology of photography such as George Eliot's *The Lifted Veil*, we'll investigate how literature borrows from the language of photography in complex ways - not simply as a shorthand for presenting the "real" but as a means of questioning representation and documentation itself. Through historical and theoretical approaches to photography and fiction, we'll focus on texts from the 1830s to 1930s, examining different methods of approaching the word-image divide. We'll also look at twentieth and twenty-first century deployments of photography in the book, concentrating on W.G. Sebald's *The Rings of Saturn*. What do these hybrid books tell us about writing and photography?

Junior or senior standing, or permission of instructor required.

HMNT 4997 Capstone Project (2 semester hours)

The capstone project consists of a seminar leading to the production of a portfolio that enables students to integrate and reflect on the insights achieved through their interdisciplinary coursework and to demonstrate that they have met the objectives of the Humanities curriculum.

Credit/No Credit only.

Senior standing required.

HMNT 4998 Special Studies (1-4 semester hours)**HMNT 4999 Independent Studies (1-4 semester hours)****HNRS 1000 Honors Colloquium: Introduction to Honors (1 semester hour)**

An orientation to the pursuit of academic excellence at LMU and to the opportunities and expectations students will encounter in the University Honors Program.

HNRS 1100 Honors Philosophical Inquiry (3,4 semester hours)

An introduction to the various modes of philosophical inquiry and to the great philosophical questions that are central to a humanistic education in the Catholic intellectual tradition, taught in small, seminar-style course sections.

HNRS 1200 Honors Theological Inquiry (3,4 semester hours)

A historical, literary, and social exploration of theological images of creation and the divine.

HNRS 1998 Special Studies (1-4 semester hours)**HNRS 1999 Independent Studies (1-4 semester hours)****HNRS 2000 Honors Colloquium: Research and Exhibition (1 semester hour)**

An orientation to the practice of research (and creative activity), including the formulation by the student of a problem worthy of in-depth study and the public exhibition of the student's work.

HNRS 2100 Honors Historical Analysis and Perspectives (3,4 semester hours)

An exploration of both the unfamiliar past and the processes by which the world of the present was created, taught in smaller, seminar-style course sections.

HNRS 2200 Honors Nature of Science, Technology, and Mathematics (3,4 semester hours)

An exploration of the methods of inquiry used in science, engineering, and/or mathematics, taught in smaller, seminar-style course sections.

HNRS 2998 Special Studies (1-4 semester hours)**HNRS 2999 Independent Studies (1-4 semester hours)****HNRS 3000 Honors Colloquium: The Edge of What We Know (1 semester hour)**

A colloquium built that seeks to bring to life the research process from prior colloquia through a series of curated public talks by LMU faculty. This course prepares students to engage in original research and creative work in the Honors Thesis.

HNRS 3001 Honors Colloquium: ONIF Fellowship Practicum (1 semester hour)

An alternative pathway for the junior-level Honors colloquium for students interested in pursuing a funded fellowship through the Office of National and International Fellowships (ONIF). Honors students in their first or second year may petition to work with ONIF to submit a funded fellowship application. Upon completion of the ONIF practicum and submission of the fellowship application, students are awarded credit for the course, which also fulfills the HNRS 3000 requirement.

HNRS 3200 Honors Literary Analysis (4 semester hours)

An exploration of the study of multiple literary forms such as poetry, plays, fiction, literary non-fiction, and films, introducing students to the formal and technical features of literary texts as well as their connections to historical, social, philosophical, theological, and scientific issues, taught in smaller, seminar-style course sections.

HNRS 3998 Special Studies (1-4 semester hours)**HNRS 3999 Independent Studies (1-4 semester hours)****HNRS 4000 Honors Colloquium: Portfolio (0 semester hours)**

Completion of a portfolio demonstrating satisfactory fulfillment of the requirements for University Honors, including the submission of the final Honors undergraduate thesis or capstone project and documented attempt at disseminating this work at the Undergraduate Research Symposium or an external disciplinary conference.

HNRS 4200 Honors Beyond Good and Evil (Ethics and Justice) (4 semester hours)

An exploration of moral problems through the study of ethics, considering select issues in social justice, science and technology, business and society, medicine and bioethics, or media and responsibility.

HNRS 4998 Special Studies (1-4 semester hours)**HNRS 4999 Independent Studies (0-4 semester hours)****HNRS 5000 Honors Thesis (3,4 semester hours)**

The preparation, research, and publication of the Honors Thesis. It may be fulfilled through a thesis/capstone/senior project in the major at the discretion of the Honors Assistant Director.

HNRS 5998 Special Studies (1-4 semester hours)

HSEG 505 Systems Engineering for Healthcare (3 semester hours)

This course outlines the Lean Systems Engineering process as it applies to the healthcare industry. This course is divided into two modules: Module I – Deep dive into the LHSE process. Topics include background and literature review analysis of current state with tools such as value-stream mapping, Ishikawa diagrams and the N2 matrix, culminating in a problem statement design of future state with a goal statement, requirements, analysis of alternatives, system architecting, risk management, validation and verification, ethics, and lessons learned. Module II – Overview of systems thinking in healthcare and beyond, including the principles of unintended consequences, the common good and public interest, and ethics.

Restrictions: Upper Division students in Mechanical Engineering. Other majors by approval from professor.
Grading: Standard Letter Grade.
Offered in Fall Semester only.

HSEG 506 Lean Healthcare (3 semester hours)

The US healthcare system is in crisis. While costs continue to rise to unsustainable levels, the average quality of care lags that of other industrialized nations. The professionals delivering health care are overworked and frustrated. Lean has been extraordinarily effective in increasing the efficiency of manufacturing processes. However, health care is not a simple manufacturing-like operation - it is a highly complex enterprise, with many stakeholders, very complex processes, non-standardized patients and medical problems, and great variability in processes and demand. These factors challenge the application of traditional lean techniques derived from manufacturing. This class will bridge the gap between traditional lean practices and the needs of healthcare enterprises. The class will begin with a review of basic lean concepts, with examples of how they can be applied to health care processes. Next, the class will review issues that complicate the application of lean to complex, high variability processes - such as many healthcare processes. These issues include handling variation; people and corporate culture issues; and the modifications required to make lean tools effective. Finally, implementation and sustainment issues will be covered. The class will mix traditional lecture-based instruction with a variety of active learning exercises, project work and a day-long clinic simulation.

Restrictions: Upper Division MECH students.
Grading: Standard Letter Grades.
Offered in Summer Session II only.

HSEG 507 Medical Devices and Integrated Systems (3 semester hours)

This course provides students with exposure to the medical device industry, including the development process, regulations, and technical integration within the U.S. health care system. The course provides an overview of medical device development, implementation, and integration processes in healthcare delivery organizations. Students will review medical device types and interoperability and interconnectivity with IT systems.

Restrictions: Upper Division MECH students
Grading: Standard Letter Grades

HSEG 515 Healthcare Delivery Systems (3 semester hours)

Mandatory entry-level course for 4+1 students and other students transitioning from non-healthcare fields. History, cultural tradition, and operations of U.S. private, non-profit, hybrid, and government healthcare delivery systems, including discussion of the multifaceted U.S. trauma care system and the U.S. system for mass casualty events. Case study discussions emphasizing the quality and ethical issues challenging the U.S. healthcare system today and its comparative performance amongst the industrialized world. Additional important themes of medical professionalism, and the profession's social contract with society as central to the culture of healthcare professionals and administrators functioning within systems of care. Costs and payment systems. Successes and challenges in modern healthcare. Introduction to: electronic records and their portability; Health Insurance Portability and Accountability Act; technology (e.g., surgical robots) and integrated systems. Review of quality, safety, and regulatory systems. Non-U.S. healthcare delivery systems. Medical and healthcare jargon. Provider burnout.

HSEG 535 Lean Healthcare (3 semester hours)

The US healthcare system is in crisis. While costs continue to rise to unsustainable levels, the average quality of care lags that of other industrialized nations. The professionals delivering health care are overworked and frustrated. Lean has been extraordinarily effective in increasing the efficiency of manufacturing processes. However, health care is not a simple manufacturing-like operation - it is a highly complex enterprise, with many stakeholders, very complex processes, non-standardized patients and medical problems, and great variability in processes and demand. These factors challenge the application of traditional lean techniques derived from manufacturing.

This class will bridge the gap between traditional lean practices and the needs of healthcare enterprises. The class will begin with a review of basic lean concepts, with examples of how they can be applied to health care processes. Next, the class will review issues that complicate the application of lean to complex, high variability processes - such as many healthcare processes. These issues include handling variation; people and corporate culture issues; and the modifications required to make lean tools effective. Finally, implementation and sustainment issues will be covered.

The class will mix traditional lecture-based instruction with a variety of active learning exercises, project work and a day-long clinic simulation.

HSEG 545 Healthcare Seminar (3 semester hours)

Twelve to fourteen invited prominent experts present guest lectures with significant systems engineering component.

HSEG 598 Special Studies (1-3 semester hours)**HSEG 599 Independent Studies (1-3 semester hours)**

HSEG 605 Healthcare Systems Engineering (3 semester hours)

This is a foundational course for the Healthcare Systems Engineering master's program at LMU and provides the framework for the remainder of the program. Detailed knowledge of the process of Lean Healthcare Systems Engineering (LHSE) is essential for completing capstone projects.

This course is divided into two modules:

Module I - Deep dive into the LHSE process. Topics include background and literature review analysis of current state with tools such as value-stream mapping, Ishikawa diagrams and the N2 matrix, culminating in a problem statement design of future state with a goal statement, requirements, analysis of alternatives, system architecting, risk management, validation and verification, ethics, and lessons learned

Module II - Overview of systems thinking in healthcare and beyond, including the principles of unintended consequences, the common good and public interest, and ethics.

Enrollment limited to Healthcare Systems Engineering students.

HSEG 625 Patient Safety and Quality Systems (3 semester hours)

This course is focused on patient safety as a principle of quality medical care, addressing the following topics: 1) Errors vs. adverse events. 2) Error tracing, analysis and reporting. 3) Errors in different settings: medical, surgical, pharmacy, hand off and transition of care. 4) Evolution of safety systems 5) Solutions and system design around patient safety 6) Human factors and human/machine interactions in healthcare. 7) Team building and culture of safety. 8) Workforce training and culture of learning.

This course will give students a global understanding of how patient safety is considered in every step of medical decision-making process. By the end of the course, students will have a deeper appreciation of clinicians' approach to patient safety.

Lectures will often be augmented with guest speakers. Speakers are experienced professionals in their respective fields who will provide a venue for interaction with students, allowing for a forum of Q&A on the application of concepts learned during lectures.

HSEG 635 Advanced Lean Management of Healthcare (3 semester hours)

This course begins with a review of Lean basics, followed by a thorough review of the various venues where healthcare is practiced: the virtual environment, outpatient clinics, mental health settings, inpatient hospital settings, emergency departments, operating and procedural rooms, laboratories, pharmacies, diagnostic imaging departments, and other administrative/support venues. Students will become familiar with the operations and challenges as well as potential solutions (lean enablers) for each venue.

Prerequisite: HSEG 535.

HSEG 655 Medical Devices and Integrated Systems (3 semester hours)

This course provides students with exposure to the medical device industry, including the development process, regulations, and technical integration within the U.S. health care system. The course provides an overview of medical device development, implementation, and integration processes in healthcare delivery organizations. Students will review medical device types and interoperability and interconnectivity with IT systems.

HSEG 665 Population Health and Big Data Analytics (3 semester hours)

Electronic access to huge databases of patients provides new extraordinary potential for improving clinical diagnosis and treatments, including genomics, studies of genetic, lifestyle, environmental, clinical and other factors. The course explores the opportunities for healthcare analytics and clinical treatment developments. The course will cover the research lifecycle from formulation of clinical questions, to big data access and extraction, extraction, statistical analysis, evidence formulation, and clinical implementation methods. Statistical topics will include clustering, extrapolation, scaling, dimensionality, supervised and unsupervised learning, decision trees, handling uncertainty, Bayesian methods, Hidden Markov models, model selection, validation, data visualization, support vector machines, and so forth. The role of Healthcare Systems Engineers in such projects will be explored.

Undergraduate-level Statistics is recommended.

This course is available only to Healthcare Systems Engineering students.

HSEG 675 Healthcare Enterprise Informatics and Electronic Health Records (3 semester hours)

This course provides a strong foundation in health information technology (HIT) for those working in healthcare, with an emphasis on the development of knowledge and skills to plan, manage, and implement HIT systems in healthcare delivery organizations with clinical and business partners, and evolving HIT spaces. Successful development, implementation, and management of integrated HIT is a major priority in health care organizations today.

HSEG 695 Preparation for Capstone Project (0 semester hours)

This course is typically taken prior to the HSEG 696, the Integrative Project/Thesis. The student develops a project plan and gains advisor approval.

HSEG 696 Project in Healthcare (3 semester hours)

Capstone course in which each student working individually demonstrates the mastery of the systems engineering process applied to a healthcare problem of interest. This course should be taken in the last semester of the study program. The project must be carried out by the student in the semester of the registration.

This course is available only to Healthcare Systems Engineering students, and the students of the Certificate in Lean Healthcare.

HSEG 698 Special Studies (1-3 semester hours)**HSEG 699 Independent Studies (1-3 semester hours)**

ICBA 2100 CBA Internships (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their College of Business Administration coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ICFA 2100 CFA Internships (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their College of Communication and Fine Arts coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ICLA 2100 BLCA Internships in Liberal Arts Professions (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their Bellarmine College of Liberal Arts coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ICLA 6100 BCLA GR Internships (1 semester hour)

Students in this course will complete an internship while reflecting on how it relates to their Bellarmine College of Liberal Arts coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ICSE 2100 FRSCSE Internships (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their Frank R. Seaver College of Science and Engineering coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ICSE 6100 FRSCSE Graduate Internship (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their Frank R. Seaver College of Science and Engineering coursework, professional skills, and career goals. This is a virtual course for graduate students that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

IFTV 2100 SFTV Internships (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their School of Film and Television coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Repeatable for up to 3 credits.

Credit/No Credit only.

IFTV 6100 SFTV Internships (0-1 semester hours)

Students in this course will complete an internship while reflecting on how it relates to their School of Film and Television coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Prerequisite: Completion of 12 semester hours of graduate courses.
Credit/No Credit only.

INBA 2880 Exploring Asian Culture (4 semester hours)

Asia has become one of the most important political, economic, and cultural centers of the world. In particular, East Asian nations like China, South Korea, and Japan provide the world with valuable goods and services and have collectively become powerful enough to be major players in the global economy. These countries are among the most dynamic economic engines in the world. As such, it is critical for students to learn the historical, socio-political, and economic backgrounds of East Asia in order to understand how business works in this region. This course will provide students with an overview of the recent socio-political and economic developments of East Asia and an opportunity to gain first-hand cultural experiences from the two-week field trip to East Asia.

INBA 2898 Special Studies (1-4 semester hours)**INBA 2899 Independent Studies (1-3 semester hours)****INBA 3851 Building Global Career Competence (4 semester hours)**

This course combines experiential learning during study abroad with conceptual learning assignments to build critical global career competencies. The course involves relevant and challenging international consulting work experience, exposure to the working and cultural environments of an international setting, building skills for international adjustment and successful management of international assignments, networking and building potentially valuable international professional, and developing insights for future career planning within a global context.

Prerequisite: BCOR 3610.

INBA 3898 Special Studies (1-4 semester hours)**INBA 4830 International Management (4 semester hours)**

Different economic, political, and socio-cultural environments around the world challenge managers with opportunities and risks. The goal of this course is to help students identify and evaluate the opportunities and challenges facing managers operating in international business contexts and come up with solutions to the identified problems. Specifically, the course will familiarize students with the major concepts and paradigms in international management, enhance an awareness of the impact of internationalization on firms, develop the ability to analyze MNC's strategies and behaviors, and suggest solutions to the problems identified in managing organizations and people across borders. (See MGMT 4630.)

Prerequisites: BCOR 3610 and BCOR 3860.

INBA 4840 International Entrepreneurship (4 semester hours)

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. The course includes a feasibility study of an international small business venture start up, case study, and experiential learning. (See ENTR 4340.)

Prerequisite: BCOR 3840.

INBA 4855 Cross-Cultural Leadership (4 semester hours)

This academically-rich, experiential, and collaborative course examines what constitutes effective leadership across cultures that comprise our global marketplace as well as our culturally-complex cities, communities, nations, and regions (including the Los Angeles/Southern California business environment). Students will learn and analyze how national/ social cultural context affects leadership style, communications, conflict negotiation, and ethical decision making; examine the need for and value of cross-cultural competence for leaders and organizations; apply theories, models, and personal experiences to real-world leadership scenarios; and develop as cross-cultural leaders. (See MGMT 4640.)

Juniors and seniors only.

INBA 4860 International Entrepreneurship (3 semester hours)

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. The course includes a feasibility study of an international small business venture start up, case study, and experiential learning. (See ENTR 4360 and MGMT 4660.)

Prerequisites: MGMT 3610 and INBA 3810.

INBA 4872 Managing a Global Workforce (4 semester hours)

This course helps students recognize important human resource management (IHRM) issues underlying current international and global business conditions, as well as understand key IHRM challenges and practices (e.g., cross-cultural management, managing international assignments, global talent management) relevant to effective strategic management and business development in important countries and regions of the global economy. In addition, personal competencies and international issues are examined that are relevant to students' own future careers within the global workforce. (See MGMT 4672.)

Prerequisites: BCOR 3610 and BCOR 3860.

INBA 4876 Marketing Strategy in the Global Environment (4 semester hours)

This course provides a comprehensive framework for the development of competitive marketing strategies that achieve organizational objectives and build competitive advantage. It teaches students the fundamentals of strategic analysis and strategy development within the context of the global business environment. The course emphasizes the major analytical, ethical, and strategic frameworks of marketing, as specifically implemented within the complex contemporary conditions of global business relationships and activities. The course incorporates experiential learning, case studies, and a simulation project. (See MRKT 4576.)

Prerequisite: BCOR 3510.

INBA 4880 International Finance (4 semester hours)

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding of the basic tools of financial decision making in an international environment. Key topics of study include exchange rate determination, relationships between inflation, interest rates, and exchange rates, risk management, multinational capital budgeting, and international portfolio theory. (See FNCE 4480.)

Prerequisites: BCOR 3410 and BCOR 3860.

INBA 4895 Global Sustainability: Challenges and Prospects in East Asia (4 semester hours)

This course explores cross-disciplinary theory and practice of sustainability within a global context, and with an emphasis on East Asia. This course includes a two-week field trip abroad to enrich student learning through direct international experience. (See MGMT 4695.)

Open to all majors of junior or senior standing.
Permission of instructor required.

INBA 4898 Special Studies (1-4 semester hours)**INBA 4899 Independent Studies (1-4 semester hours)**

Permission of the Associate Dean required.

IRST 1998 Special Studies (1-4 semester hours)**IRST 1999 Independent Studies (1-4 semester hours)****IRST 2998 Special Studies (1-4 semester hours)****IRST 2999 Independent Studies (1-4 semester hours)****IRST 3300 Modern Irish Literature (4 semester hours)**

A study of Irish literature from 1900 to World War II.

IRST 3302 (Un)/Civil (W)rites: Contemporary African American, Northern Irish, and Native American Literature (4 semester hours)

A comparative study of three different bodies of literature produced in response to the Civil Rights Movement and its aftermath.

IRST 3303 Contemporary Irish Literature (4 semester hours)

A study of Irish literature from the end of World War II to the present.

IRST 3304 The Irish Renaissance (4 semester hours)

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers and others to preserve the rich legacy of Irish culture and carry it forward into the modern age.

IRST 3305 Irish Short Story (4 semester hours)

In this course we will examine the rich and varied achievements in the genre of the short story by a wide range of modern and contemporary Irish writers.

IRST 3309 Ireland in Fiction and Film (4 semester hours)

An examination of the diverse images of Ireland offered by various writers and directors.

Usually taught in Dublin, Ireland.

IRST 3310 Modern Ireland (4 semester hours)

(See HIST 4255.)

IRST 3312 Modern Britain and the British Empire (4 semester hours)

(See HIST 4250.)

IRST 3330 Irish Drama (4 semester hours)

A study of Irish drama from Yeats to Beckett and beyond.

Usually taught in Dublin, Ireland.

IRST 3350 World Dance: Ireland (2 semester hours)

(See DANC 397.)

IRST 3998 Special Studies (1-4 semester hours)**IRST 3999 Independent Studies (1-4 semester hours)****IRST 4435 Irish Cinema (3 semester hours)**

(See FTVS 4420.)

IRST 4448 Irish Women Writers (4 semester hours)

(See ENGL 5548.)

IRST 4449 The Dark Stuff: Horror in Irish Literature (4 semester hours)

(See ENGL 5549.)

IRST 4998 Special Studies (1-4 semester hours)**IRST 4999 Independent Studies (1-4 semester hours)****ISBA 3710 Database Management Systems (4 semester hours)**

This course is intended for the student who wishes to become more proficient at developing and managing database applications. It is designed to provide an introduction to the conceptual foundations underlying database management systems, with an emphasis on its applications in business and organizations. The course begins with an introduction to the fundamental principles of database design - from data modeling to the actual implementation of a business application. This part of the course will employ lectures describing database theory, as well as hands-on tutorials demonstrating database concepts using a DBMS package. Particular emphasis will be placed on the careful planning and analysis of business needs, which will lead to the appropriate development of an Entity-Relationship Model. Using these principles, each student will design and implement a database application using a DBMS product. The second part of the course will further investigate the principles of relational model, which is the basis for the most popular DBMS products on the marketplace today (i.e., Oracle, SQL Server, MS Access, MySQL). Topics to be studied include relational algebra, Structured Query Language (SQL), and maintaining data integrity in a relational design. In addition, important managerial concerns will be covered including database administration and the management of multi-user databases.

Prerequisite: AIMS 2710 or BCOR 2710 or ACCT 3140 with a grade of C (2.0) or higher.

ISBA 3720 Systems Analysis and Design (4 semester hours)

This course introduces established and evolving methodologies for the analysis, design, and development of a business information system. Concepts taught include systems modeling of business processes, requirement analysis, logical and conceptual design, prototype development, testing, and implementation strategies. Upon completion, students should be able to analyze a business problem and design an appropriate solution using a combination of tools and techniques.

Prerequisite: AIMS 2710 or BCOR 2710 with a grade of C (2.0) or higher, or consent of instructor.

ISBA 3730 Programming for Business Applications (4 semester hours)

This course is an introduction to programming with an emphasis on its business application capability. Students will learn the basic techniques of programming from concepts to code, including problem analysis, program design, documentation, testing and debugging. The objectives of this course are: making students comfortable with fundamental programming terminology and concepts, including data type, input/output, control statements methods, arrays, strings, and files, along with web, data, and analytics applications; giving students hands-on practical experience with defining and solving problems; and illustrating to students how their programming skills can be translated into working business applications.

Prerequisite: BCOR 2710 with a grade of C (2.0) or higher, or permission of instructor.

ISBA 3797 Internship (1 semester hour)**ISBA 4715 Developing Business Applications Using SQL (4 semester hours)**

Students looking to work with data must know how to extract data from databases using SQL (Structures Query Language). Students will gain hand-on SQL experience to create databases, construct complex relational queries, develop database programs (views, transactions, triggers, functions, and stored procedures), and write Python code to issue SQL queries for analytics and application development purposes. The SQL syntax covered is supported by many popular databases, such as Oracle, MySQL, Microsoft SQL Server, and PostgreSQL. The course will cover SQL usage for common roles such as a software developer, data scientist, and a business analytics manager.

Prerequisites: AIMS 3710 or ISBA 3710 with C- or better, or consent of instructor.

ISBA 4740 Financial Modeling and Analytics (4 semester hours)

This course develops spreadsheet modeling skills and quantitative analysis tools including VBA and Python to support financial decision-making. Hands-on experience in the development of spreadsheet forecasting, simulation, and optimization models for applications in valuation, cash budgeting, and financial planning and portfolio management will be provided as well as techniques for collecting, processing, visualizing, and exploring semi-structured financial data for analysis.

Prerequisites: BCOR 3750, and BCOR 3410 or FNCE 3400, all with a grade of C (2.0) or higher.

ISBA 4750 Business Web and App Development (4 semester hours)

This course will focus on the development of web and mobile applications for businesses. Topics would include all 3 tiers of web development – presentation, business logic and database, making the students full-stack developers. AI based tools will be heavily used to reduced coding time, allowing students to focus more on problem solving and application design. The purpose of this course is twofold: 1) provide a valuable opportunity for students to create professional grade web applications and publishable mobile app towards building up their technical portfolio, 2) provide a solid foundation for students to meet the real-world business challenges by developing technical applications.

Prerequisites: ISBA 3710 with a grade of C (2.0) or higher.

ISBA 4755 Introduction to Big Data (4 semester hours)

Ability to process and draw valuable business insights from big data has become central to competitiveness and survival for many industries. However, older and current technologies are not effective in handling big data, and the challenges have pushed the industry to invent fundamentally new ways of capturing, storing, retrieving, processing, and analyzing data. This course introduces students to the fundamental concepts of big data, their sources, and how analytics on big data are designed and implemented. With that foundation, this course will expose students to big data and related new generation platforms and technologies. Students will gain insights into the challenges and techniques of analyzing unstructured data that are generated through various social media and other interactive platforms. Students will also learn the fundamentals of non-relational NoSQL databases, distributed file system, and massively parallel processing used extensively in big data processing. The course will also students to acquire introductory-level proficiencies in hands-on skills involving some big data platforms and tools such as Hadoop, Spark, HBase, etc., or other similar platforms. After completing this course, students will be able to analyze the big data needs and challenges of an organization and recommend choice of tools, technologies, architecture, and implementation strategies needed to capture, process, and turn "Big Data" into actionable business insight.

Prerequisites: BCOR 2710; and AIMS 3730 or CMSI 1010, all with a grade of C (2.0) or higher; or consent of instructor.

ISBA 4760 Data Visualization and GIS (4 semester hours)

This course will equip students with principles, skills, tools, and techniques in data visualization. First, by using exploratory visualization, students will be able to be familiar with the data and provide insights on the state of the data. Second, through explanatory visualization, students will be able to tell a story about the data, present meaningful reports to non-technical persons, managers, and executives. Third, students will learn about spatial thinking through the use of Geographic Information Systems (GIS). With this tool, students will be able to uncover spatial relationships and perform spatial analyses.

Prerequisite: BCOR 2710 with a grade of C or better.
ISBA Majors only.

ISBA 4770 Cybersecurity (4 semester hours)

This course will present the development and maintenance of the enterprise cybersecurity life-cycle. Students will learn how to design a comprehensive and resilient cybersecurity program in alignment with business objectives in a hands-on lab and project-based learning environment. Other topics include implementation and management of security operations, security assessments and remediation of deficiencies, security intelligence, and incident response.

Prerequisite: BCOR 2710 with a grade of C or better.
ISBA Majors only.

ISBA 4775 Network Cloud Computing (4 semester hours)

This course will introduce students to the fundamentals of networking and cloud computing. Students will configure networks and cloud computing services to address common information systems and business analytics needs through hands-on exercises. The course will start with networking fundamentals covering topics such as networking hardware, the OSI Model, TCP/IP, and various network protocols, while addressing each topic's security considerations. The second half of the course will leverage the student's networking foundation to explore and deploy the most commonly used cloud services, including compute, storage, databases, and serverless. Students will be able to host cloud-based applications and know the difference between the various cloud services available.

ISBA 4790 Machine Learning (4 semester hours)

Machine Learning (ML) techniques, tools, and algorithms are extensively used in providing "predictive analytics" insight to businesses. In this course, students will acquire skills to build predictive models from a given dataset to answer certain predictive business questions and learn how to deploy such models in an IT environment. During this course, students will dive deep into the inner workings of a number of supervised and unsupervised ML algorithms, learn their computer implementations in platforms such as Python, R, or other similar technologies. Students will gain knowledge of the comparative strengths and weaknesses, and understand how to choose specific algorithms to solve different types of predictive problems. They will also learn topics such as feature engineering, dimensionality reduction, model performance evaluation, performance boosting and tuning.

Prerequisites: BCOR 2710, BCOR 3750, and ISBA 3730 or CMSI 1010, all with a grade of C (2.0) or higher; or permission of instructor.

ISBA 4796 Capstone Proposal Development (1 semester hour)

Prerequisite: BCOR 2710 with a grade of C (2.0) or higher.

ISBA 4797 Capstone Project (4 semester hours)

This course presents a student with a challenge and an opportunity to build a portfolio-worthy project to solve a real business problem by integrating business and technical knowledge and skills. For employers, it represents a clear snapshot of a student's understanding of the subject matter and their ability to identify a meaningful project and exercise initiative. It also presents students with first-hand experience to develop project management, teamwork, and communication skills critical for an IT career. A project proposal and instructor consent are required.

Prerequisites: ISBA 3710, ISBA 3750, and (ISBA 3730 or CMSI 1010), and (ISBA 3720 or 4796), and (ISBA 3720 or one 4-unit elective), all with a grade of C (2.0) or higher.

Credit for ISBA 4796.

ISBA 4798 Special Studies (1-4 semester hours)**ISBA 4799 Independent Studies (1-4 semester hours)****ISOE 2100 SOE Internships (0-1 semester hours)**

Students in this course will complete an internship while reflecting on how it relates to their School of Education coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ISOE 6100 SOE GR Internships (1 semester hour)

Students in this course will complete an internship while reflecting on how it relates to their School of Education coursework, professional skills, and career goals. This is a virtual course that includes assignments designed to expand your professional network, while developing strategies for the full-time job search. Students considering this course are strongly encouraged to work with Career and Professional Development (CPD) in the term preceding their internship. To successfully identify and apply to opportunities, please schedule an appointment with a career coach via Handshake, or stop by CPD to meet with a Peer Advisor.

Credit/No Credit only.

ITAL 1998 Special Studies (1-4 semester hours)**ITAL 1999 Independent Studies (1-4 semester hours)****ITAL 2101 Italian 1 (4 semester hours)**

An introduction to Italian language and culture with emphasis on communicative and linguistic skills, this course is designed for students who have little or no knowledge of Italian. Students will acquire the four basic language skills - listening, speaking, reading, and writing - in classes that are taught exclusively in Italian. Materials covered include an introduction to articles, pronouns, adjectives, prepositions, regular and irregular verbs in past and present tense indicative, and basic vocabulary on selected topics. Students are also introduced to the basic geography of Italy and to aspects of everyday Italian culture.

ITAL 2102 Italian 2 (4 semester hours)

Emphasizing communicative and linguistic skills, this course is a continuation of ITAL 2101. The principal goal of the curriculum is to develop the four basic language skills - listening, speaking, reading, and writing - in classes that are taught exclusively in Italian. New grammatical material introduced includes direct and indirect object pronouns, imperfect and future tenses, and the use of negative expressions. Students increase their vocabulary through further study of Italian culture past and present.

Prerequisite: ITAL 2101 or by LMU placement exam.

ITAL 2103 Italian 3 (4 semester hours)

Emphasizing communicative and linguistic skills, this course is a continuation of ITAL 2102. The goal of the curriculum is to develop the four basic language skills - listening, speaking, reading, and writing - at the appropriate level of proficiency in classes that are taught exclusively in Italian. New materials covered include the subjunctive modes, hypothetical sentences, double pronouns, comparisons, and superlatives. Students familiarize themselves with additional aspects of Italian history, culture, and politics.

Prerequisite: ITAL 1102 or by LMU placement exam.

ITAL 2104 Italian 4 (4 semester hours)

Emphasizing communicative and linguistic skills, this course reviews the material studied in ITAL 2101, ITAL 2102, and ITAL 2103. The goal of the curriculum is to develop the four basic language skills - listening, speaking, reading, and writing - at the appropriate level of proficiency in classes that are taught exclusively in Italian. Increased emphasis is placed on writing assignments, working with multimedia materials in Italian, and reading selected texts written for native speakers of Italian.

Prerequisite: ITAL 2103 or by LMU placement exam.
The course will not be offered after Spring 2025.

ITAL 2998 Special Studies (1-4 semester hours)**ITAL 2999 Independent Studies (1-4 semester hours)****ITAL 3250 Contemporary Italian Culture (4 semester hours)**

This course provides an exploration of diverse forms of contemporary cultural expression in Italy, including film & media, literature, music, and political critique. Focusing on material disseminated since the late 20th century, students examine how echoes of the major social transformations that have occurred in Italy in recent decades resonate at all levels of cultural production. Students taking the course for the Italian Minor or the Modern Languages Major must write the majority of assignments in Italian.

Prerequisite: ITAL 2103, by LMU placement exam, or consent of instructor.

University Core fulfilled: IINC Interdisciplinary Connect.

The course may be taken again when focus of content changes.

ITAL 3251 Italian Food Cultures (4 semester hours)

An interdisciplinary exploration of Italian food traditions with a focus on regional differences. Topics include the Mediterranean diet as cultural heritage ongoing changes in food production and distribution, strategies for protecting Italy's food traditions, and adaptation of Italian cuisine in US culture.

Prerequisite: ITAL 2103, LMU placement exam or consent of instructor.
(See also FNLT 3251)

University Core fulfilled: Flag: Engaged Learning.

ITAL 3252 Race & Gender in Italian Culture (4 semester hours)

An interdisciplinary exploration of race and gender in the Italian context, acknowledging the legacy of fascism, colonialism and migration and examining how racial hierarchies as well as the dominance of white heterosexual masculinity have been represented, interrogated and challenged in Italian cultural production.

Prerequisite: ITAL 2103, LMU placement exam or consent of instructor.

ITAL 3370 Cinema in Rome: Rome in Cinema (4 semester hours)

This course critically explores the relationship between Italian cinema and the city of Rome from the 1930s onward. Building on the analysis of several groundbreaking films produced in the city during and after WWII, it examines the ways in which subsequent Italian film production resonates with neorealist influences or explores new ways to comment on the tensions observed in contemporary Italian society.

This course is only available to students in the LMU Summer Study Abroad Program in Rome, Italy.

Prerequisites: None.

University Core fulfilled: Flag: Engaged Learning.

ITAL 3533 The Italian Novella (4 semester hours)

A survey of the short story form from the fourteenth century to the present.

Prerequisite: ITAL 2103 or by LMU placement exam.

ITAL 3534 Italian Literature of the 20th and 21st Century (4 semester hours)

A survey of poetry, drama, and prose from Pirandello to Calvino and beyond.

Prerequisite: ITAL 2103, by LMU placement exam or consent of the instructor.

ITAL 3580 Italian Women Writers (4 semester hours)

Survey of representative works by Italian women writers from various historical periods, with particular focus on the modern and contemporary period.

Prerequisite: ITAL 2103 or by LMU placement exam.

ITAL 3821 Stylistics and Composition (4 semester hours)

An introduction to reading, writing, and editing texts in Italian. Students develop skills in writing clear and correct Italian and provide critical commentary on selected topics using the techniques of formal composition.

Prerequisite: ITAL 2103, LMU placement exam or consent of the instructor.

ITAL 3998 Special Studies (1-4 semester hours)**ITAL 3999 Independent Studies (1-4 semester hours)****ITAL 4230 The Roman Baroque: Art, Architecture, and Culture (4 semester hours)**
(See FNLT 4230.)

ITAL 4351 Italian Cinema (4 semester hours)

An examination of the development of Italian cinema from Neorealism to the present. Students familiarize themselves with the history of Italian national cinema, while developing skills in the close analysis of film.

ITAL 4998 Special Studies (1-4 semester hours)**ITAL 4999 Independent Studies (1-4 semester hours)****JAPN 1998 Special Studies (1-4 semester hours)****JAPN 1999 Independent Studies (1-4 semester hours)****JAPN 2101 Japanese 1 (4 semester hours)**

An introduction to the fundamentals of Japanese, emphasizing listening and speaking skills. Students learn to ask and answer simple questions in the present and past tense. Introduces reading and writing of Hiragana and approximately 30 Kanji along with essentials of Japanese culture and custom.

Offered Fall semester.

JAPN 2102 Japanese 2 (4 semester hours)

A continuation of JAPN 2101. Introduction of Katakana and approximately 60 new Kanji. Useful grammatical patterns emphasizing the use of verbs and adjectives and verb conjugations. Practical patterns such as polite commands, permissions, prohibitions, and progressive forms are studied. Students continue to learn fundamentals of Japanese culture and lifestyle.

Prerequisite: JAPN 2101 or by LMU Placement Exam.

Offered Spring semester.

JAPN 2103 Japanese 3 (4 semester hours)

A course designed to improve oral proficiency as well as reading and writing skills in Hiragana, Katakana, and Kanji. More complex grammatical patterns such as giving advice and expressing one's desires. Approximately 60 new Kanji are introduced, and students write short essays on selected topics. Increased knowledge and understanding of Japanese culture and customs.

Prerequisite: JAPN 1102 or by LMU Placement Exam.

Offered Fall semester.

JAPN 2104 Japanese 4 (4 semester hours)

A continuation of JAPN 2103. A course designed to enable students to express their ideas effectively through the use of more complex patterns such as advanced relative clauses, giving and receiving verbs, and volitional forms. Sixty new Kanji are practiced, and students write short essays on selected topics. Increased knowledge and understanding of Japanese culture and customs.

Prerequisite: JAPN 2103 or by LMU Placement Exam.

Offered Spring semester.

JAPN 2998 Special Studies (1-4 semester hours)**JAPN 2999 Independent Studies (1-4 semester hours)****JAPN 3105 Japanese 5 (4 semester hours)**

This course concentrates on further perfecting the student's four communicative skills. It focuses on building more advanced vocabulary, idiomatic expressions, and grammatical patterns. Informal and formal language, especially different levels of Keigo (polite speech), along with selected topics of Japanese culture and customs. The student learns approximately 60 Kanji and writes short essays (800 characters) on culturally intriguing topics.

Prerequisite: JAPN 2104 or by LMU Placement Exam.

Offered Fall semester.

JAPN 3106 Japanese 6 (4 semester hours)

This course is designed to help students further develop fluency in speaking, reading, and writing at an advanced-intermediate level. Discussions and compositions (800 characters) are based on selected, more socio-culturally interesting topics. The student learns passive, causative, and causative-passive sentences thoroughly along with 45 Kanji. More advanced knowledge and understanding of Japanese culture, history, art, and socioeconomics.

Prerequisite: JAPN 3105 or by LMU Placement Exam.

Offered Spring semester.

JAPN 3107 Mastery of Japanese (4 semester hours)

This course helps students acquire advanced language skills including communicative competence. Students will apply their language skills and socio-cultural knowledge in an actual teaching setting. The basis of this exploration of engaged learning is the gradual understanding of the challenges in culturally aware applications of a language in authentic situations.

Prerequisite: JAPN 3106 or by LMU Placement Exam.

University Core fulfilled: Flag: Engaged Learning.

Offered Fall semester.

JAPN 3240 Manga, Anime, and Japanese (4 semester hours)

This course helps students acquire knowledge and perspectives regarding manga, anime and Japanese. Students will read four manga and watch anime in Japanese (manga solely in Japanese but anime can be in Japanese with subtitles). Manga and anime have become an international hit. Students will examine the history of manga and anime, mainly focusing on them after World War II. They also examine the growth of manga and anime tied with themes, historical and cultural background, and significance of that particular animation.

Prerequisite: JAPN 3103 or by LMU Placement Exam.

Offered Spring semester.

JAPN 3250 Contemporary Popular Japanese Culture (4 semester hours)

This course helps students acquire Knowledge and perspectives regarding contemporary popular Japanese culture. The instructor carefully selects topics to elicit articulate expressions, critical thinking, and information literacy. This course enables students to engage in examining Japanese culture with a critical eye as to why the Japanese find certain elements of culture so interesting in today's Japan.

Prerequisite: JAPN 3105 or by LMU Placement Exam.

Offered Spring semester.

JAPN 3998 Special Studies (1-4 semester hours)

JAPN 3999 Independent Studies (1-4 semester hours)

JAPN 4998 Special Studies (1-4 semester hours)

JAPN 4999 Independent Studies (1-4 semester hours)

JOUR 1999 Independent Studies (1-4 semester hours)

JOUR 2100 Introduction to Journalism (4 semester hours)

Students learn journalism fundamentals as they follow and analyze past and present news coverage in addition to producing their own journalism.

Required for Journalism majors and minors.

University Core fulfilled: Flags: Engaged Learning.

JOUR 2210 Writing for Journalism: Workshop (4 semester hours)

An intermediate level writing class and an introduction to journalism. Covers the basic components of both features and news stories, interview strategies, and legal and ethical concerns.

Prerequisite: ENGL 2206 or JOUR 2100.

Required for Journalism Majors.

University Core fulfilled: Flag: Writing.

JOUR 2211 History of Journalism (4 semester hours)

This course explores hundreds of years of American journalism and how it has — for better or for worse — driven and been driven by cultural, political, and technological changes.

Prerequisites: JOUR 2100.

Required for Journalism majors.

JOUR 2998 Special Studies (1-4 semester hours)

JOUR 2999 Independent Studies (1-4 semester hours)

JOUR 3100 Shooting and Editing Photos for Journalism (1 semester hour)

A five-week hands-on course in which students learn how to use equipment and software to shoot and edit professional-quality photos.

Prerequisite: JOUR 2100.

Journalism majors/minors only.

Partially fulfills Production/Media Skills requirement.

Credit/No Credit only.

JOUR 3101 Shooting and Editing for Journalism (1 semester hour)

This is a course teaching the basics of professionally shooting and editing video for journalism.

Prerequisite: JOUR 2100 or ENGL 2206.

Journalism majors only.

Fulfills Production/Media Skills requirement.

JOUR 3102 Recording and Editing Audio for Journalism (1 semester hour)

This is a course teaching the basics of professionally recording and editing audio for journalism.

Prerequisite: JOUR 2100 or ENGL 2206.

Journalism majors only.

Fulfills Production/Media Skills requirement.

JOUR 3104 Computing for Journalism (1 semester hour)

This is an introductory course to computer-assisted reporting, offering technical instruction in how to use coding, spreadsheets, GSI, Flash, and other tools in journalism.

Prerequisite: JOUR 2100 or ENGL 2206.

Journalism majors only.

Fulfills Production/Media Skills requirement.

JOUR 3105 Designing for Journalism (1 semester hour)

Students learn how to use basic computer designing tools to create visualizations of information and layouts.

Prerequisite: JOUR 2100 or ENGL 2206.

Journalism majors only.

Fulfills Production/Media Skills requirement.

JOUR 3106 Data Visualization for Journalism (1 semester hour)

A five-week course that teaches students how to convey information visually using charts, maps, and other tools.

Prerequisite: JOUR 2100.

Journalism majors/minors only.

Partially fulfills Production/Media Skills requirement.

Credit/No Credit only.

JOUR 3107 Programming for Journalism (1 semester hour)

A five-week course that teaches students basic computer programming to aid in complex reporting and research tasks.

Prerequisite: JOUR 2100.

Journalism majors/minors only.

Partially fulfills Production/Media Skills requirement.

Credit/No Credit only.

JOUR 3108 Audience Engagement (1 semester hour)

A five-week course that teaches students how to use social media in the service of journalism. Students develop social media profiles befitting a modern journalist, learn the basics of audience research and news publishing, and develop the skills necessary to grow and maintain an engaged audience around a specific beat or coverage area.

Prerequisite: JOUR 2100.

Journalism majors/minors only.

Partially fulfills Production/Media Skills requirement.

Credit/No Credit only.

JOUR 3300 Critical and Ethical Issues in Journalism (4 semester hours)

This interdisciplinary course challenges students to offer critical analysis of ethical and representational issues in media. In addition to doing extensive reading, students also produce their own journalism.

Prerequisite: JOUR 2100.

Required for Journalism majors and minors.

University Core fulfilled: Integrations: Ethics and Justice.

JOUR 3303 Reviewing the Arts (4 semester hours)

A course in writing reviews. Topics may include art, books, film, music, theatre, TV, or video games. Class may involve field trips to theatre, film, or other performances or exhibits.

Prerequisite: JOUR 2100.

Required for Journalism majors and minors.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

JOUR 3305 Mass Communication Law & Regulation (4 semester hours)

This course will review major legal issues affecting mass communication, including journalism, public relations, and broadcasting. Issues discussed will include: First Amendment freedoms, libel/slander, rights of privacy and the media, obscenity, regulations specifically relating to broadcasting and the Federal Communications Commission, regulations specifically relating to advertising, and copyright laws. Major cases pertinent to each topic will be studied in an attempt to help the student understand why the law is as it is. Ethical considerations will be discussed throughout the course.

JOUR 3306 Business of Media (4 semester hours)

This course focuses on the business side of the media industry. The concept of power and privilege in modern society will be infused into an exploration of the firms and people who own and operate media outlets.

Prerequisites: JOUR 2100, JOUR 3300.

Fulfills Journalism elective requirements.

JOUR 3310 The Human Condition: A Long-form Journalism Practicum (4 semester hours)

Through hands-on field work, readings, viewings, visits, and reports, students explore Los Angeles as a test-ground of culture's vast interdisciplinary condition, and report and reflect on their own understanding of the city and its people.

Prerequisite: JOUR 2100.

Fulfills Journalism Elective requirement.

University Core fulfilled: Explorations: Creative Experience.

JOUR 3998 Special Studies (1-4 semester hours)

Juniors and seniors only.

JOUR 3999 Independent Studies (1-4 semester hours)**JOUR 4300 Race & Ethnicity in Journalism (4 semester hours)**

This course encourages students to understand media production as an act of social justice that crosses disciplinary boundaries of journalism, creative writing, literary studies, history, and rhetoric. We analyze how American journalism as a professional practice and news media viewership as cultural consumption can function to produce or reiterate ideas about race and ethnicity. Students will learn the role journalism has played in both perpetuating and challenging racist ideologies alongside contemporary issues of race and representation in newsrooms.

Fulfills Journalism Elective requirement.

JOUR 4400 Photojournalism (4 semester hours)

Students learn the ins and outs of engaging visual storytelling by doing their own portraiture, feature and spot news, and photo essays.

Prerequisite: JOUR 2100.

Fulfills Journalism elective requirement.

JOUR 4401 Telling Stories with Sound (4 semester hours)

From reporting and recording to editing producing a finished project, this course teaches students how to create journalistic radio stories and podcasts.

Prerequisite: JOUR 2100.

Fulfills Journalism elective requirement.

JOUR 4402 Journalism Internship (4 semester hours)

Students work 10-12 hours per week with an off-campus media outlet or on-campus as a staff member of the Los Angeles Loyolan or The Tower yearbook. No matter where they work, students are entirely responsible for obtaining their positions (which they must have concurrently with the Internship class.)

Juniors and seniors only.

Fulfills Journalism Experience or Journalism Elective requirement.

Permission of Instructor required.

JOUR 4403 The Lion (4 semester hours)

Students spend the semester running the Journalism Department's digital news outlet, The Lion. They do so by reporting, writing, editing, filming, recording, illustrating, promoting and publishing stories about LMU and Los Angeles.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Journalism Experience or Journalism Elective requirement.

JOUR 4404 Nature Writing (4 semester hours)

Students will study the history of nonfiction writing about nature and explore the current state of environmental journalism. They will experience, observe, reflect on, and write about nature.

Prerequisites: ENGL 2206 or JOUR 2100.

Fulfills Journalism Elective and Journalism: Reporting in Genres requirements.

JOUR 4405 Literary Non-Fiction: Workshop (4 semester hours)

An advanced course in non-fiction prose that offers students a chance to both create and analyze non-fiction.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Journalism elective requirement.

JOUR 4406 Journalism: Interview: Workshop (4 semester hours)

A course in which students learn advanced interview strategies for journalists.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Journalism Elective requirement.

JOUR 4407 Investigative Reporting (4 semester hours)

A course that examines and teaches the deep-dive reporting and writing techniques used by professional investigative journalists, and that allows students to use those techniques while reporting investigative journalism of their own.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Journalism Elective requirement.

JOUR 4408 Journalism: Editing Workshop (4 semester hours)

A course that teaches students advanced editing techniques.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Journalism Elective requirement.

JOUR 4409 The Reporter in the Story (4 semester hours)

Students bridge memoir and reportage to produce works of first-person long-form journalism, examining the ethical implications and creative possibilities of the writer as a character in a reported story.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Specialization or Elective requirement; fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

JOUR 4410 Health & Science Journalism (4 semester hours)

Students examine the intersection of news and science/health, learning how to ethically and effectively translate complex information into digestible, accurate, and popular news.

Pre-requisite: JOUR 2100.

JOUR 4411 Podcasting for Non-Majors (4 semester hours)

Students create a work of audio storytelling — including podcast pilots and short podcast seasons — from idea to completion. Students learn how to gather audio in the field using handheld microphones and audio recorders, and how to record and edit audio in a studio setting. Students will produce podcasts in a variety of forms, including non-fiction narrative, fictional narrative, talk show format, comedy, and other genres.

JOUR 4412 Podcasting (4 semester hours)

Students learn how to create well-reported works of audio storytelling by gathering audio in the field, using handheld microphones and audio recorders, recording in a studio setting, and editing their audio into journalistic pieces that take advantage of the intimacy and personal connection made possible by podcasts.

Prerequisite: JOUR 2100.

Fulfills Journalism Elective requirement.

JOUR 4460 Hard News to Blogs: Post-1800 Journalism (4 semester hours)

A study of diverse journalists from 1800 to the present, emphasizing how their work reflects the concerns of their age and their contributions to the ongoing tradition of journalism. Students will develop their own journalistic writing inline with this tradition.

Juniors and seniors only.

Fulfills Journalism elective requirement.

University Core fulfilled: Flag: Writing.

JOUR 4463 The Art of the Essay (4 semester hours)

A study of the form of the essay, with emphasis on the historical tradition of essay writing. Students will develop their own essays in response to this tradition.

Juniors and seniors only.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 4464 Publishing Journalism (4 semester hours)

This is an advanced journalism course designed to train the student in the practical and business elements involved in publishing an international journal of literary nonfiction.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Specialization or Elective requirement; fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

Permission of instructor required.

JOUR 4465 Arts and Culture Journalism (4 semester hours)

An introduction to culture journalism, involving writing various forms of culture criticism and reported features.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

JOUR 4467 Journalism and Law (4 semester hours)

Students will learn about the legal rights and responsibilities of journalists. The course will also focus on reporting on legal issues, including using legal sources, identifying newsworthy cases, and conducting courtroom reporting.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Specialization or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 4468 Journalism: Capstone (4 semester hours)

Students will complete their Journalism major or minor by producing a multi-platform journalism project.

Prerequisite: JOUR 2100.

Open to senior Journalism majors and minors by permission of instructor.

Required of all Journalism majors and minors.

JOUR 4469 Practicum in Journalism 1 (4 semester hours)

This course gives students credits for practical journalism experience either working on the staff of the Los Angeles Loyolan, the Tower, ROAR, or Marymount Institute Press or interning off campus. Particularly appropriate for editors.

Prerequisite: JOUR 2100.

Fulfills Experience requirement; fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

Permission of instructor required.

JOUR 4470 Practicum in Journalism 2 (4 semester hours)

This course is for advanced journalism students who have served as editors at the Loyolan, the Tower, ROAR, or Marymount Institute Press for at least one semester. Students will mentor a junior staffer.

Prerequisite: JOUR 2100.

Fulfills Experience requirement; fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

Permission of instructor required.

JOUR 4471 Sports Journalism (4 semester hours)

A course covering all aspects of sports reporting, writing, and editing.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 4472 Video Journalism (4 semester hours)

A course focused on the craft of researching and writing video news stories for television and/or web.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Specialization or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 4473 Mobile Media Magazine (4 semester hours)

Students will study digital storytelling theory before collaborating to produce their own magazine for mobile devices.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Specialization or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 4474 Broadcast Journalism (4 semester hours)

This course focuses on the craft of producing journalistic stories for television broadcast.

Prerequisite: JOUR 2100.

Juniors and seniors only.

Fulfills Journalism Elective requirement.

JOUR 4998 Special Studies (1-4 semester hours)

Juniors and seniors only.

JOUR 4999 Independent Studies (1-4 semester hours)**JOUR 5501 Journalism: Telling LA's Story (4 semester hours)**

An advanced essay workshop examining the artistry of journalism as it relates to Los Angeles. Students explore LA writing by reading the most compelling practitioners and incorporating, when applicable, their craft and style techniques to in their own writing.

Fulfills Journalism Elective requirement.

JOUR 5511 Political Journalism (4 semester hours)

Political Journalism examines the function of the news media in American politics, campaigns and elections. Students study how journalists and news outlets shape narratives in political discourse and public opinion of politics and political candidates. Students study journalism being produced about current campaigns and produce some of their own coverage of local races in California and Los Angeles.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 5567 Style in Writing (4 semester hours)

An examination of prose styles and theories of style to help students develop their own writing styles.

Juniors and seniors only.

Fulfills Journalism Elective requirement.

JOUR 5574 Rhetoric and the Media (4 semester hours)

A study of persuasion and rhetorical strategies used by the media.

Juniors and seniors only.

Fulfills Specialization or Elective requirement; fulfills Creative/Artistry or Critical/Theoretical requirement.

JOUR 5590 Journalism: Feminist Critique (4 semester hours)

A study of arts criticism by women writers.

Juniors and seniors only.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry or Comparative requirement.

JOUR 5591 Literary Journalism (4 semester hours)

Examines the tradition of literary journalism, the telling of true stories through fictional techniques, with emphasis on helping students produce a publishable body of work in this genre.

Juniors and seniors only.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

JOUR 5592 Pazz and Jop: Writing Music Criticism (4 semester hours)

By studying the works of critics throughout pop music history, students will learn to think critically about musical terms and genres and express their observations and opinions in various forms.

Fulfills Genre or Elective requirement; fulfills Creative/Artistry requirement.

Juniors and seniors only.

JOUR 5998 Special Studies (1-4 semester hours)**JWST 1000 Introduction to the Hebrew Bible (4 semester hours)**

The Hebrew Bible/Old Testament introduces the foundational stories and traditions for Judaism, Christianity, and arguably, also Islam. This course is a predominantly history-based survey and introduction to the literature of the Old Testament/Hebrew Bible (in English) where students will encounter not only memorable stories, but provocative prophets, beautiful poetry, stirring stories, and ancient wisdom.

University Core fulfilled: Foundations: Theological Inquiry.

JWST 1130 Biblical Hebrew (4 semester hours)

This is a one-semester "crash course" intended to enable the student to acquire the basics of Biblical Hebrew adequate to understand references in scholarly literature and to begin to read simpler Biblical texts with the use of a dictionary.

JWST 1136 World Religions in LA (4 semester hours)

This course is an introduction to the academic study of religion and of world religions, and to the religious traditions of Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam, and other current religious trends. Special emphasis is placed upon how these religious traditions have emerged within the context of Los Angeles, how they have changed, grown, and adapted to their new surroundings.

University Core fulfilled: Foundations: Studies in American Diversity.

JWST 1190 New Testament Contexts (4 semester hours)

This course introduces students to the New Testament writings in their historical, literary, social/political, and religious contexts. Students will learn various methodological approaches to the study of the New Testament, as well as consider the history of interpretation and the role of modern social-location in the interpretive process.

University Core fulfilled: Foundations: Theological Inquiry.

JWST 1998 Special Studies (1-4 semester hours)**JWST 1999 Independent Studies (1-4 semester hours)****JWST 2998 Special Studies (1-4 semester hours)****JWST 2999 Independent Studies (1-4 semester hours)****JWST 3000 Modern Jewish History (4 semester hours)**

This course is a history of the Jewish people from the 17th century to the present. Principal themes include the transformation of the traditional community, the changes in Jews' political status, the emergence of modern anti-Semitism, and ethnic and gender distinctions within Jewry.

University Core fulfilled: Explorations: Historical Analysis and Perspectives

JWST 3349 Longing and Belonging: The Literatures of Israel (4 semester hours)

This course investigates modern representations in literature and film of longing for and belonging in the land of Israel.

Juniors and seniors only.

JWST 3456 Jewish Experience from Fiction to Film (4 semester hours)

Using film and fiction about the Jewish experience, this course examines how these interconnected disciplines explore the shaping of the modern Jewish experience. In particular, this course asks questions about the nature of transformation through the lens of culture, art, and society. What is gained and what is lost in the translation from written to visual story?

University Core fulfilled: INT: Interdisciplinary Connections

JWST 3500 Politics of Modern Israel (4 semester hours)

This course examines the rise of Jewish nationalism, Theodore Herzl, and the rise of political Zionism. We will discuss Zionism after Herzl, the Balfour Declaration, the seeds of Arab-Jewish confrontation, Palestine in World War II, postwar Palestine, the war of independence, and the growth of the Israeli republic. Other topics include Israel's search for peace and security, economic and social growth, the Six-Day War, the Yom Kippur War, the Likud era, peace with Egypt, and Israel's involvement in Lebanon, Gaza, and its relationship with Iran. Israeli society is quite heterogeneous, and the many peoples of Israel will be examined from the perspective of nationality and ethnicity as well as from the perspective of religion, gender, and economic status.

JWST 3510 Ideas of Zionism (4 semester hours)

Students will investigate the beginning of the modern chapter of Jewish history in the granting of full citizenship to the Jews in France as a result of the Revolution of 1789, through to its contemporary political success in the 1948 creation of the state of Israel.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

JWST 3600 RP: Studies in World Lit (4 semester hours)

This course introduces students to classic stories in the modern Jewish literary canon through close reading, reflection, discussion, interpretation, evaluation, comparison, and analysis, providing students with a conceptual framework for understanding and deriving aesthetic pleasure and cultural understanding from these vivid stories. Students will gain exposure to translated fictional works originally written in Hebrew, Yiddish, German, Russian and English by prominent Jewish authors. Through their study, students will learn how the breakdown of pre-modern Jewish society, immigration, the challenges of Jewish integration and exclusion, and the establishment of new Jewish communities, influenced the creation of this.

JWST 3636 Trends of Jewish Thought (4 semester hours)

This course explores the varieties of traditional and contemporary Jewish expression, including Hasidic, Orthodox, Reform, and ""just Jewish."" The course features guest presenters, field experiences, film, and other media resources.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

JWST 3750 Judaism: Religion, History, and Culture (Ancient through Modern) (4 semester hours)

This course will explore central aspects of Judaism from ancient to modern times (up to the beginning of the 20th century). It will focus on select texts and works of art, which mark significant moments in Jewish thought and practice. By examining Jewish text and art, students will learn how Judaism developed through negotiations with the traditions of the past as well as with the changing conditions of the present.

Juniors and seniors only.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

JWST 3998 Special Studies (1-4 semester hours)**JWST 3999 Independent Studies (1-4 semester hours)****JWST 4160 Jewish Image in Film and Television (3 semester hours)**

Examination of the ways that Jewish people, their culture, and faith have been represented and have represented themselves in film and TV. Screenings, lecture, discussion.

Junior standing required.

Lab fee required.

JWST 4260 Literature and Faith in the Holy Land (4 semester hours)

This course is held on-site in Israel. It examines the concept of hospitality through encounters with diverse communities and people.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

JWST 4320 The Holocaust in American Film and Literature (4 semester hours)

This class examines the ways in which the disciplines of film and literature shape American consciousness about the European catastrophe of the Holocaust. Key to these interpretations is the role of culture, art, and society.

University Core fulfilled: Integrations: Interdisciplinary Connections.

JWST 4340 Literature of the Holocaust (4 semester hours)

A study of the literature of the Holocaust including fiction, poetry, drama, and film.

Juniors and seniors only.

JWST 4350 The History and Psychology of the Holocaust and Genocide: Perspectives on Power (4 semester hours)

Using case studies, such as the Armenian genocide, the Holocaust, and the Rwandan genocide, this class examines how historians and psychologists explain the phenomenon of genocide in the modern world.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

JWST 4360 Poland and the Holocaust (4 semester hours)

This course is held on-site in Poland, and may include travel to Germany, the Czech Republic, or other locations. It may be taken more than once provided the content is considerably different each time. The focus is on the long history of Jewish life in Europe while considering as the impact of the Holocaust on the European landscape.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

JWST 4370 Nazi Germany and Questions of Conscience (4 semester hours)

This course engages students in a critical consideration of the moral, religious, and theological implications of the Nazi regime. Through study of historical and theological texts, it explores the behavior and teachings of the Christian churches, their leaders, and lay adherents, as well as Jewish responses to the challenges posed by the Nazi regime.

University Core fulfilled: Integrations: Faith and Reason.

JWST 4375 History of Antisemitism (4 semester hours)

This course focuses on relations between Jews and non-Jews from antiquity to the present, emphasizing the intellectual, religious, political, and socio-economic roots of Jew-hatred.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

JWST 4400 Interreligious Experience and Engagement (4 semester hours)

This seminar focuses on interreligious engagement and experience, exploring the diversity of faith traditions at LMU, in Los Angeles, and throughout the nation and world, by deliberate encounters with the Other. It will challenge students to reflect on fundamental questions of faith and identify within communities. It will examine the theory and practice of interreligious engagement, including: Bilateral (e.g., Catholic-Jewish) and trilateral (e.g., Christian-Jewish-Muslim) seminars and conferences of scholars and clergy; Multi-faith religious celebrations and worship services; Joint social action and social justice programs; Conflict resolution projects; Coalitions based on shared values. The readings, discussions, and site visits will provide theoretical and theological foundations for consideration of pluralism and other inclusive approaches to our interreligious context. Readings and class discussions will educate students about the beliefs, practices, and communities of diverse religious groups. Students will develop leadership strategies to establish, sustain, and advance interreligious engagements.

University Core fulfilled: Flags: Faith and Reason, Engaged Learning.

JWST 4500 Imagining Jewishness in the Middle Ages (4 semester hours)

This interdisciplinary course explores how images of Jewishness were invented and contested in English literary, historical, and theological writings, visual art, and material culture from the Middle Ages.

JWST 4545 Keeping the Faith: Jewish Resilience in the Modern Era (4 semester hours)

This class will explore external and internal pressures on Jewish communities, the teachings of their leaders, and Jewish responses to the challenges posed by exile and by modernity to Jewish traditions, values, and theological positions. Questions of ultimate concern include: under what conditions is religious reform permissible, how does one balance religious tradition and belief with the demands of secular authorities, how does one believe in a benevolent God after Auschwitz?

University Core fulfilled: Integrations: Faith and Reason.

JWST 4600 ETL: Global Jewish Literature (4 semester hours)

Topics in Literature and Language.

Upper division major requirement:

Electives Repeatable for credit with different subtitles up to 4 times.

JWST 4900 Capstone Project (4 semester hours)

This senior-level internship course is restricted to Jewish Studies minors. Students may choose a major service or research project in lieu of an internship. All students work closely with the Jewish Studies Program director.

JWST 4918 Jewish Faith and Culture Abroad (4 semester hours)

This course is held on-site in country. It examines the culture and faith traditions of Jewish communities outside the U.S.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

JWST 4998 Special Studies (1-4 semester hours)**JWST 4999 Independent Studies (1-4 semester hours)****JWST 5998 Special Studies (1-4 semester hours)****JWST 5999 Independent Studies (1-4 semester hours)****LCFA 2000 CFA College Success (0-1 semester hours)**

This course will help students foster self-efficacy and apply holistic decision-making toward achieving academic, personal, and long-term college success. Throughout the semester students will read, write, and talk about ways to improve their opportunities of long-term academic success (i.e., goal setting, educational planning, time management, work-life balance, career exploration, developing positive attitudes, fostering meaningful instructor-student relationships, and maintain wellness).

LGBT 1998 Special Studies (1-4 semester hours)**LGBT 1999 Independent Studies (1-4 semester hours)****LGBT 2500 Introduction to LGBTQ Studies (4 semester hours)**

An introduction to the interdisciplinary field of LGBTQ studies. Students gain critical thinking skills to examine norms about gender and sexuality and the relationship between these norms and systems like white supremacy, heteropatriarchy, and settler colonialism. Students are introduced to histories of LGBTQ liberation movements.

University Core Fulfilled: Studies in American Diversity

LGBT 2998 Special Studies (1-4 semester hours)**LGBT 2999 Independent Studies (1-4 semester hours)****LGBT 3998 Special Studies (1-4 semester hours)****LGBT 3999 Independent Studies (1-4 semester hours)****LGBT 4001 Queer Theories (4 semester hours)**

This course explores the emergence, conceptual frameworks, themes, and critical tools of queer theory with a specific attention to the genealogies of queer theory known as Queer of Color critique. At its root, queer theory attempts to interrogate the structuring logics, or norms, that produce queer subjects. Queer of Color critique situates such analysis in an attention to the logics of racial formation, capitalism, labor, migration, imperialism, and the police state.

Juniors and seniors only.

LGBT 4101 Queer Migrations and Diaspora (4 semester hours)

Examines the lived experiences of LGBTQ migrants in the U.S. and the diaspora through a feminist, queer, and transnational lens. The course analyzes systems such as heteronormativity, immigration control, colonization and colonial borders, and the carceral system as well as liberation practices that are queer.

LGBT 4998 Special Studies (1-4 semester hours)**LGBT 4999 Independent Studies (1-4 semester hours)****LGBT 5750 Global LGBTQ+ Politics Global LGBTQ+ Politics (4 semester hours)**

In recent years, changes in public opinion toward lesbian, gay, bisexual, transgender and queer (LGBTQ+) people, along with the global expansion of LGBTQ rights, have been astonishing. At the same time, increasing global resistance to these rights has emerged in the name of "traditional values." Violence and discrimination against LGBTQ+ individuals remain pervasive. This course will explore LGBTQ rights and representation in the US and around the world. It will seek to understand the role that activists, movements, elected officials, and voters have in driving change. In so doing, we will analyze the impact of the descriptive representation of LGBTQ+ people on public policy, legislation, and social change. The course will first offer an overview of LGBTQ+ communities, exploring size, diversity, and representation. We will then focus on successes and losses of LGBTQ movements across times and space. We will analyze the homophile movement after WWII, Stonewall and the gay liberation movement, ACT UP following the AIDS crisis, the marriage equality movement, and trans and radical organizing. Next, we will examine LGBTQ electoral politics, focusing on the political attitudes and behavior of LGBTQ+ voters and on the barriers and successes of LGBTQ+ candidates and politicians. We will pay special attention to trans politicians and LGBTQ+ politicians of color. In the end, we will explore LGBTQ life across space, from queer politics in the Global South to migrant LGBTQ experiences in the United States.

MATH 101 Algebra (3 semester hours)

Polynomials, rational expressions, exponents, radicals, equations in one and two variables, the quadratic formula, functions and graphs.

MATH 102 Quantitative Skills for the Modern World (3 semester hours)

Quantitative and analytic skills used to understand personal and social issues faced in everyday life. Topics include problem solving, logical arguments, computer spreadsheets, probability and statistics, and the mathematics of finance.

Corequisite: MATH 103.

University Core fulfilled: Foundations: Quantitative Reasoning.

MATH 103 Quantitative Skills for the Modern World Lab (0 semester hours)

Concurrent laboratory for MATH 102.

Corequisite: MATH 102.

MATH 104 Elementary Statistics (3 semester hours)

Introduction to methods of inferential statistics, histograms, elementary probability, and random variables and distributions.

University Core fulfilled: Foundations: Quantitative Reasoning.

MATH 106 Mathematics for Elementary Teachers I (3 semester hours)

Foundations of arithmetic from an advanced standpoint: sets, numeration systems, the structure of number systems, and problem solving strategies.

Prerequisite: MATH 101 with a minimum grade of C (2.0) or Mathematic Placement Examination.

Liberal Studies majors only, or by permission of instructor.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

MATH 110 Precalculus for Business (3 semester hours)

Functions; polynomial, rational, exponential and logarithmic functions. Applications to financial mathematics.

Prerequisite: MATH 101 or Mathematics Placement Examination.

MATH 112 Calculus for Business (3 semester hours)

Introduction to the differential and integral calculus of elementary functions. Applications of the methods of calculus to business and economics problems. Students may not take both MATH 112 and MATH 122 for credit.

Prerequisite: MATH 110 or MATH 115 or MATH 120 or Mathematics Placement Examination.

A laboratory fee may be required.

MATH 115 Precalculus with Algebra (4 semester hours)

Polynomials, rational expressions, exponents, radicals, equations in one and two variables, the quadratic formula, functions and graphs. Study of polynomial, rational, trigonometric, exponential and logarithmic functions.

Prerequisite: MATH 101 or Mathematics Placement Examination.

Students may not take both MATH 115 and MATH 120 for credit.

MATH 120 Precalculus Mathematics (3 semester hours)

Functions; polynomial, rational, trigonometric, exponential and logarithmic functions.

Prerequisite: MATH 101 or Mathematics Placement Examination.

Students may not take both MATH 115 and MATH 120 for credit.

University Core fulfilled: Foundations: Quantitative Reasoning.

MATH 122 Calculus for the Life Sciences I (3 semester hours)

An introduction to calculus. Derivatives and integrals of the elementary functions, including computational techniques and applications.

Prerequisite: MATH 115 or MATH 120 or Mathematics Placement Examination.

Students may not take both MATH 112 and MATH 122 for credit.

University Core fulfilled: Foundations: Quantitative Reasoning;

Explorations: Nature of Science, Technology, and Mathematics.

MATH 123 Calculus for the Life Sciences II (3 semester hours)

Integration methods with applications, differential equations and modeling, introduction to multivariate calculus.

Prerequisite: MATH 122 or equivalent.

University Core fulfilled: Foundations: Quantitative Reasoning;

Explorations: Nature of Science, Technology, and Mathematics.

MATH 131 Calculus I (4 semester hours)

Limits, continuity, derivatives of algebraic and transcendental functions, applications of the derivative, antiderivatives, introduction to the definite integral, Fundamental Theorem of Calculus.

Prerequisite: MATH 115 or MATH 120 or Mathematics Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning;

Explorations: Nature of Science, Technology, and Mathematics.

MATH 132 Calculus II (4 semester hours)

Techniques of integration, numerical methods of integration with error analysis, applications of the integral, improper integral, infinite series, an introduction to parametric equations and polar coordinates.

Prerequisite: MATH 131 or equivalent.

University Core fulfilled: Foundations: Quantitative Reasoning;

Explorations: Nature of Science, Technology, and Mathematics.

MATH 181 Introduction to Programming (2 semester hours)

An introduction to the basics of procedural programming useful for solving problems in mathematics, science, and engineering. Root finding, integration, and other mathematical methods (e.g. numerical differentiation, interpolation, and line-fitting) will be covered. Suggested programming languages and software may include Python, R, MATLAB.

Prerequisite: MATH 131 or equivalent.

For Mathematics majors and minors only, or by consent of instructor.

MATH 190 Workshop in Mathematics I (2 semester hours)

Study skills, analytical and problem solving skills, technical writing, recent fields of study and advances in mathematics, mathematical career opportunities.

Math majors only, or by permission of instructor.

MATH 198 Special Studies (1-4 semester hours)**MATH 199 Independent Studies (1-4 semester hours)**

MATH 205 Applied Statistics (4 semester hours)

An introduction to basic methods of extracting information from data with a focus on statistical methods and interpretation of results. Exploratory and descriptive data analysis including graphical examination of data and measures of central tendency and spread. Classical and non-parametric tools of hypothesis testing (t tests, one-way, and two-way ANOVA, Mann-Whitney and Kruskal-Wallis for mean-comparison problems). Simple linear regression. Practical considerations of experimental design. Analysis of data using modern computational software (e.g. R).

Prerequisite: MATH 122 or MATH 131.

MATH 207 Mathematics for Elementary Teachers II (3 semester hours)

Geometry, metric system, and introduction to probability and statistics.

Prerequisite: MATH 106.

For Liberal Studies majors only, or by permission of instructor.

University Core fulfilled: Foundations: Quantitative Reasoning;

Explorations: Nature of Science, Technology, and Mathematics.

MATH 234 Calculus III (4 semester hours)

Partial derivatives, multiple integrals, three-dimensional space, vectors in two- and three- dimensional space, line integrals, Green's theorem.

Prerequisite: MATH 132 or equivalent.

MATH 241 Multivariable Calculus and Linear Algebra (4 semester hours)

Linear algebra including matrix algebra, solving linear systems of equations, matrix inverse, eigenvalues and eigenvectors, diagonalization, calculus of multivariable functions including graphing, partial derivatives, gradients and optimization, and multivariable integration. Additional topics at the discretion of the instructor. Students will use software/library (e.g. NumPy, Matlab, R) for computation and visualization. A student who has completed Math 234 and Math 251 may not take Math 241 for credit. Prerequisites: MATH 131 and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 246 Differential Equations and Linear Algebra (4 semester hours)

Systems of linear algebraic equations, Gaussian elimination, matrices, and matrix algebra. Algebra of complex numbers. Linear dynamical systems and equilibrium. Analytical solutions of linear differential equations, including Laplace transform and linear time-domain analysis. Eigenvalues, eigenvectors and the matrix exponential. Differential equations as mathematical models. Analysis of nonlinear differential equations, including analytical and numerical solutions and qualitative analysis. Students will use software (e.g. C++, MATLAB, or Python) to compute and graph solutions using analytical and numerical methods.

Prerequisites: MATH 132.

MATH 249 Introduction to Methods of Proof (4 semester hours)

Number theory, sets, functions, equivalence relations, cardinality, methods of proof, induction, contradiction, contraposition. Student portfolios will be collected.

Prerequisite: MATH 132 or equivalent.

MATH 251 Applied Linear Algebra (4 semester hours)

An introduction to matrix methods with an emphasis on modern computational techniques. Topics include: Gaussian elimination, LU factorization, vector spaces and subspaces, orthogonality, QR factorization, determinant, eigenvalues and eigenvectors, diagonalization, least square optimization problem, Markov chains, and singular value decomposition. Students will use software (e.g. C++, MATLAB, or Python) to do computations with large matrices and investigate modern applications in various fields.

Prerequisites: MATH 131 and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 261 Mathematics: Contributions by Women (3 semester hours)

A study of the biographies and mathematics of women mathematicians from the 1st through the 20th centuries. Topics include prime numbers, conic sections, cycloid curve, functions, sequences, series, polyhedra, and group theory.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

MATH 264 Cryptography through the Ages (3 semester hours)

A study of mathematical systems used for enciphering and deciphering information and the context in which these systems arose.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

MATH 266 Methods of Proof and Discrete Mathematics (4 semester hours)

Number theory, sets, functions, equivalence relations, combinatorics and graph theory, methods of proof, direct proof, induction, contradiction, contraposition. Student portfolios will be collected. Prerequisite: MATH 132 or equivalent.

MATH 290 Workshop in Mathematics II (1 semester hour)

Continuation of MATH 190. Activities will include attending departmental events (e.g. career talks, seminars, senior thesis presentations, math community events), improving study skills, analytical and problem solving skills, mathematical writing and presentation skills, and other activities at the discretion of the instructor.

For Mathematics majors only, or by permission of instructor.

MATH 298 Special Studies (1-4 semester hours)**MATH 299 Independent Studies (1-4 semester hours)**

MATH 304 Multivariable Statistics (4 semester hours)

Statistical analysis of large multivariate datasets. Multivariate densities and distributions. The general linear model and multivariate regression, analysis of variance. Multilevel linear models. Clustering and factor analysis. Time series models. Modern computational software.

Prerequisites: MATH 205 and (MATH 241 or MATH 251) and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 307 Teaching Math Practicum (2 semester hours)

Students serve as Teaching Assistants for MATH 207. Students will integrate pedagogy with their mathematical content knowledge prepare for mathematics teaching careers.

Junior standing and permission of instructor.

MATH 323 Real Analysis I (4 semester hours)

The real number system, least upper bound, sequences, Cauchy sequences, functions, limits of functions, continuity, derivatives, infinite series, sequences and series of functions, and Riemann integration.

Prerequisite: MATH 249 or MATH 266.

MATH 333 Abstract Algebra I (4 semester hours)

Groups, rings, integral domains, and fields, and the corresponding structure and isomorphism theorems, quotient and factor objects, and direct sums and products. Finite(ly generated) abelian groups, Cauchy's Theorem, complex roots and the Fundamental Theorem of Algebra, and an introduction to Sylow Theory.

Prerequisite: MATH 249 or MATH 266.

MATH 356 Methods of Applied Mathematics (4 semester hours)

Linear partial differential equations: Laplace, Poisson, heat and wave equations. Fourier analysis and its applications to signal processing and linear partial differential equations. Discrete Fourier Transform and the Fast Fourier Transform. Numerical approaches to partial differential equations: finite differences and spectral methods. Modeling of distributed parameter systems (i.e., systems whose state variable is infinite dimensional).

Prerequisites: MATH 246 and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 358 Complex Analysis (4 semester hours)

Complex arithmetic, functions of complex variables, analytic functions, integration in the complex plane, Taylor and Laurent expansions and residues; conformal mappings, evaluation of real integrals by residues; integral transforms.

Prerequisite: MATH 234.

MATH 361 Probability and Mathematical Statistics (4 semester hours)

Probability and statistics with an emphasis on mathematical techniques of analysis. Probability topics include: sample space, basic probability rules, conditional probability, independence, Bayes theorem, density and cumulative distribution functions, expectations, law of large numbers, Central Limit Theorem, functions of random variables, and stochastic modeling. Statistics topics include: sampling distributions, point and interval estimation, and mathematical methods of hypothesis testing. Additional topics may include stochastic simulation, bootstrapping, Bayesian inference, and regression.

Prerequisites: MATH 132 and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor)..
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

MATH 367 Discrete Methods (4 semester hours)

An introduction to graph theory; trees; coloring; Eulerian circuits. Combinatorics; permutations and combinations; recurrence relations; algorithmic approaches to combinatorics problems; implementation of algorithms in graph theory and combinatorics.

Prerequisites: (MATH 249 or MATH 266 or CMSI 2820) and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 382 Applied Numerical Methods (4 semester hours)

Algorithms for the numerical approximation of solutions to mathematical problems arising in applications. Integration, direct and iterative solutions of linear and nonlinear systems, optimization, and solution of differential equations. Discussion of convergence properties.

Prerequisites: (MATH 234 and MATH 251) or MATH 241.

MATH 388 Survey of Biomathematics (3 semester hours)

Introduction to the application of mathematical tools and techniques in biology. Application areas range from gene regulatory networks to physiological systems to ecology and environment biology. Mathematical methods include deterministic and probabilistic approaches to modeling dynamical systems, development, analysis, and simulation of model equations, and problems of fitting models to data.

Prerequisites: BIOL 101 and MATH 123 or 132.

MATH 390 Workshop in Mathematics III (1 semester hour)

Continuation of MATH 290. Activities will include attending departmental events (e.g. career talks, seminars, senior thesis presentations, math community events), improving study skills, analytical and problem-solving skills, mathematical writing and presentation skills, and other activities at the discretion of the instructor.

For Mathematics majors only, or by permission of instructor.

MATH 393 Mathematics Internship (1-3 semester hours)

Internship conducted in an industrial, business, government, or educational setting involving applied mathematical work or teaching. This will involve a research project (or paper) coordinated jointly with an on-site supervisor and a Department faculty member. Enrollment is subject to available opportunities and approval of the Department Chairperson.

MATH 397 Putnam Competition Preparation (0-1 semester hours)

A study of problem-solving techniques and skills to prepare students to participate in the William Lowell Putnam Mathematical Competition, a prestigious national exam. The course may not be used to satisfy any of the requirements of the mathematics major or minor.

Permission of instructor required.

MATH 398 Special Studies (1-4 semester hours)**MATH 399 Independent Studies (1-4 semester hours)****MATH 423 Real Analysis II (4 semester hours)**

Advanced topics in real analysis (e.g. measure theory, functional analysis, Fourier analysis, functions of several variables, etc.) chosen by the instructor. Written and oral presentations are required.

Prerequisite: MATH 323.

MATH 433 Abstract Algebra II (4 semester hours)

Advanced topics in abstract algebra (e.g. Galois theory, representation theory, algebraic geometry, etc.) chosen by the instructor. Written and oral presentations are required.

Prerequisite: MATH 333.

MATH 450 Advanced Linear Algebra (4 semester hours)

Abstract vector spaces (vector spaces over an arbitrary field), abstract linear transformations, dual spaces, diagonalizability (review of eigenspaces), Cayley-Hamilton Theorem, canonical forms (Jordan, etc.), inner product spaces, spectral theorem, additional topics as time permits.

Prerequisites: (MATH 249 or MATH 266) and MATH 251.

MATH 451 Fundamental Concepts of Geometry (4 semester hours)

Euclidean and non-Euclidean planar geometries, axiomatic systems, synthetic and analytic representations, relationships with algebra, and selected topics and applications.

Prerequisites: (MATH 249 or MATH 266) and MATH 251.

MATH 460 Advanced Topics in Probability (4 semester hours)

Advanced topics in probability (e.g. Stochastic processes, Markov chains, Monte Carlo methods, etc.) chosen by the instructor. Written and oral presentations are required.

Prerequisite: MATH 361.

MATH 470 Machine Learning (4 semester hours)

Linear regression, logistic/softmax regression, support vector machine, k-nearest neighbors, tree-based methods, linear separability, overfitting/underfitting, regularizers, gradient descent method. Possible additional topics include: kernel methods, k-means clustering, principal component analysis, dimensionality reduction, semi-supervised learning, boosting, random forest, and sampling methods.

Prerequisites: ((MATH 234 and MATH 251) or MATH 241) and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 472 Topology (4 semester hours)

An introduction to metric and topological spaces; continuity and homeomorphism; separation properties; connectivity and compactness; examples and applications. Written and oral presentations are required.

Prerequisite: MATH 249 or MATH 266.

MATH 473 Differential Geometry (3 semester hours)

Curves, parametrizations, and arc length; surfaces, differential functions, and the first fundamental form (area); the Gauss map; isometries, Gauss' Theorema Egregium, geodesics, and the Gauss-Bonnet theorem.

Prerequisites: MATH 234 and MATH 251.

MATH 480 Big Data Visualization (4 semester hours)

Introduction to the tools and techniques of modern data visualization including concepts of scraping, wrangling, cleaning, and processing data from the web and other large databases. The course focuses on visualizing multidimensional data and designing clear and appropriate data graphics through apps and interactive displays (e.g., maps). This course requires a willingness to write code.

Prerequisite: MATH 304.

MATH 482 Advanced Numerical Methods (4 semester hours)

Advanced topics in numerical methods and scientific computation (e.g. iterative solutions of linear systems on advanced computer architectures, high-dimensional numerical integration, numerical solution of PDEs, optimal control, constrained optimization, matrix factorization, conjugate gradient, etc.) chosen by the instructor. Written and oral presentations are required.

Prerequisite: MATH 382.

MATH 490 History of Mathematics (3 semester hours)

The development of mathematics from historical and cultural viewpoints including both European and non-European roots of mathematics as well as contributions by women.

Prerequisite: MATH 249 or MATH 266.

MATH 492 Workshop in Mathematics IV (1 semester hour)

Continuation of MATH 390. Activities will include attending departmental events (e.g. career talks, seminars, senior thesis presentations, math community events), improving study skills, analytical and problem-solving skills, mathematical writing and presentation skills, and other activities at the discretion of the instructor.

For Mathematics majors only, or by permission of instructor.

MATH 494 Senior Seminar for Future Mathematics Educators (2 semester hours)

Topics in high school mathematics are examined from an advanced standpoint by developing and exploring extensions and generalizations of typical high school problems, by making explicit connections between these problems and upper division mathematics courses, and by providing historical context. Current issues in secondary mathematics education will be investigated. Written and oral presentations are required.

Senior standing and permission of instructor.

MATH 496 Mathematical Modeling (4 semester hours)

Introduction to various modeling techniques, design and implementation of algorithms, organization and presentation of results, introduction to problem solving using computer algebra systems. Written and oral presentations are required.

Prerequisite: Math 246 and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

Senior standing or permission of instructor required.

MATH 497 Senior Thesis (3 semester hours)

This course is intended to provide the student with an opportunity to complete a substantive research project under the guidance of a faculty member. The student will prepare a written report and an oral presentation on the project at the end of the semester.

Senior standing and the consent of both the Chairperson and a faculty thesis advisor required.

MATH 498 Special Studies (1-4 semester hours)**MATH 499 Independent Studies (1-3 semester hours)****MATH 504 Modern Computational Statistics (4 semester hours)**

Generalized linear models: logistic, multinomial, and Poisson regression; bootstrapping: resampling simulations, estimation, confidence sets, and hypothesis testing; Bayesian methods: computational techniques such as Markov Chain Monte Carlo and Metropolis-Hastings, estimation, credible sets, and hypothesis testing.

Prerequisites: MATH 304 and MATH 361.

MATH 540 Deep Learning (4 semester hours)

Neural networks and related algorithms: stochastic gradient descent and backpropagation. Modern deep learning framework (e.g. TensorFlow, Pytorch) and GPU computing. Convolutional Neural Networks and applications to image recognition. Recurrent Neural Network, Transformer networks and applications to natural language processing (e.g. sentiment analysis, translation, natural language modeling).

Prerequisites: ((MATH 234 and (MATH 246 or MATH 251)) or MATH 241) and (MATH 181 or CMSI 1010 or ENGR 160 or ENGR 1200 or PHYS 1200 or permission of instructor).

MATH 550 Fundamental Concepts of Geometry (3 semester hours)

Euclidean and non-Euclidean planar geometries, axiomatic systems, synthetic and analytic representations, relationships with algebra, and selected topics and applications.

Prerequisites: (MATH 249 or MATH 266) and MATH 251.

MATH 598 Special Studies (1-3 semester hours)**MATH 599 Independent Studies (1-3 semester hours)****MATH 601 Methods of Proof for Teachers (3 semester hours)**

This course introduces number theory proofs, analysis proofs with limits and functions, cardinality, geometry, logic and language, and set theory proofs. The importance of proof writing and explanation in mathematics are emphasized. Students are exposed to mathematical problem solving that extends the concepts of secondary mathematics.

Consent of instructor required.

MATH 604 Statistics/Modeling for Teachers (3 semester hours)

This course selects from topics in statistics and modeling, such as basic descriptive statistics, inference, regression analysis, and modeling relationships. The use of statistics in the media and in educational studies is also a focus. The class is aligned with state standards in 6-12 grade statistics and is aligned with national recommendation from the American Statistical Association on teacher preparation of statistics.

Permission of instructor required.

MATH 621 Real Analysis for Teachers (3 semester hours)

This course surveys topics in calculus, measure theory, and analysis. Calculus concepts are explored from an advanced perspective so as to reveal connections between secondary-school level analysis, calculus, and more advanced collegiate mathematics.

Permission of instructor required.

MATH 631 Abstract Algebra for Teachers (3 semester hours)

This course introduces topics in number theory and abstract algebra, including modular arithmetic, properties of number systems, group, ring and field theory, and applications of abstract algebra, such as cryptography. Students will apply this knowledge in the context of the Standards for Mathematical Practice.

Permission of instructor required.

MATH 650 Geometry for Teachers (3 semester hours)

This course investigates geometry from 4 perspectives: Euclid's axioms and constructions, Cartesian coordinates and algebra, projective and perspective geometry, and rigid and similarity transformations. This approach reinforces essential skills required for teaching geometry courses in the secondary curriculum by making connections to proving geometric theorems, using precise definitions, showing the connections between geometry and algebra and complex numbers, perfecting how to visualize in 2 and 3 dimensions, and understanding congruence and similarity through transformations.

Permission of instructor required.

MATH 660 Discrete Math and Probability for Teachers (3 semester hours)

This course covers topics including combinatorics, recursion, algorithms, graph theory and probability. Students will also explore how these are integrated in secondary math and explore how topics of discrete math can extend secondary math curriculum.

Permission of instructor required.

MATH 698 Special Studies (1-3 semester hours)**MATH 699 Independent Studies (1-3 semester hours)****MBAA 6010 Managing People and Organizations (3 semester hours)**

This course presents insights from a variety of academic disciplines, including management, psychology, sociology, economics, and political science, to understand the processes through which people work together in organizations. Focus on topics such as leadership, motivation, diversity, decision-making, and organizational culture.

MBAA 6011 Leadership and Organizational Dynamics (3 semester hours)

To be successful in contemporary organizations, individuals must understand the complex interaction of individual, team, and organizational-level phenomena. This course presents insights from a variety of academic disciplines, including management, psychology, sociology, and economics, to understand the processes through which people work together in organizations. We focus on topics such as leadership, ethics, employment legislation, motivation, decision making, communication, organizational culture, diversity, negotiations and performance management. The case studies, simulations, class discussions, activities and reflective exercises allow participants to explore and apply insights to their own professional life.

MBAA 6020 Financial and Managerial Accounting (3 semester hours)

This course surveys the basic concepts of the accounting discipline, encompassing principles, current practices, and trends, and the activities involved in understanding and interpretation of accounting systems from a manager's perspective. Emphasis is placed on developing an interface with other areas of business.

MBAA 6021 Financial and Managerial Accounting (3 semester hours)

In this course, students will acquire foundational knowledge in financial and managerial accounting to prepare and analyze external financial statements and for internal decision-making. Students will gain exposure to various standard setting bodies and investigate and evaluate real world financial reporting, disclosure, compliance and legal issues. Students will apply methodologies for planning, controlling, analyzing and evaluating firm performance. Students will cultivate professional judgement and ethical decision-making within the business and in external financial reporting. The course requires analysis in Excel and application and interpretation of standards, laws and regulations.

MBAA 6030 Global Economic Structures and Systems (1.5 semester hours)

This course adopts a thematic approach to applying economic concepts to solving contemporary real-world business problems. These problems are analyzed from the perspective of an entrepreneur, a business manager, and an economic policy maker. Specific themes include understanding economic terminology, issues and methods; identifying determinants of supply and demand; understanding the economics of the firm, characterizing alternative market structures, measuring aggregate demand and supply, and understanding the implications of various government economic policies.

MBAA 6031 Ethics and the Entrepreneurial Mindset (3 semester hours)

In this course, students are introduced to the field of social entrepreneurship, focusing on using entrepreneurial mindsets and business skills to create innovative, ethical solutions to societal problems. The course explores various concepts and examples of social entrepreneurship, encompassing both not-for-profit and for-profit models, through theoretical discussions and case studies. A key component of the curriculum is the integration of ethics, emphasizing the importance of ethical decision-making and responsible leadership in business. Students will engage with topics such as corporate social responsibility (CSR), sustainable development goals (SDGs), and the ethical implications of business practices. Through this course, students will develop their creativity to devise their own solutions to social issues, while maintaining a strong ethical foundation.

MBAA 6040 Managing Markets and Customer Relationships (3 semester hours)

An applied, case-based course which covers the essential principles of marketing as a vital component of a business operation, emphasizing marketing's strategic bases and the real-world utilization of both traditional and innovative techniques to influence both the trade and the consumer in making a purchase decision. The primary foci of the course will be upon the effects of uncontrollable factors in the environment and the controllable variables essential to marketing success including market analysis, product decisions, pricing, distribution, and promotion.

MBAA 6041 Marketing Management (3 semester hours)

This course is an applied, case-based exploration of essential marketing principles, emphasizing their strategic significance within a global context. It combines traditional and innovative marketing techniques to influence trade and consumer purchase decisions, while addressing uncontrollable environmental factors and controllable marketing variables. Key topics include market analysis, product decisions, pricing, distribution, promotion, and customer relationship management.

The course further delves into global marketing strategies, examining concepts, principles, processes, and implications crucial for gaining competitive advantage in the international marketplace. Students will analyze company environments, assess market segments, identify target markets, and construct competitive strategies. The curriculum covers entry and expansion strategies in the global marketplace, development of global positioning and marketing strategies, and the balance between standardization and adaptation to local markets.

MBAA 6050 Managing Operations (1.5 semester hours)

The course is an overview of modern concepts in Operations Management. Emphasis is placed on Productivity Management/ Operations Strategy, Time Series Forecasting, Facility Location Strategy, Processing and Layout Strategy, Aggregate Planning Strategy, Supply-chain/Inventory Management, and Quality Management.

MBAA 6060 Strategic Management (3 semester hours)

An applied course which develops strategic thinking skills to enable managers to position the business to achieve and sustain superior competitive performance. Addresses issues of both strategy design and implementation in the complex global economic environment. The course requires students to draw upon and integrate knowledge and skills developed throughout their business education.

Prerequisites: MBAA 6041, MBAA 6071, and MBAA 6091.

MBAA 6061 Global Strategic Management (3 semester hours)

This integrative capstone course is designed to equip future business leaders with the analytical frameworks and tools to navigate complex global business environments and make effective strategic decisions for long-term success. The course covers key topics, including the global and macro-environment, industry and competitive analysis, internal analysis, business strategy, corporate strategy, global strategy, and strategy implementation. It emphasizes the importance of integrating various business disciplines and functions into a cohesive strategy that aligns with organizational goals. Through activities such as class discussions, case studies, and capstone projects, students will develop and enhance their skills in formulating and implementing strategies to achieve sustainable competitive advantages in the global market.

MBAA 6070 Managing Financial Resources (3 semester hours)

The course covers the methods and instruments useful to financial managers of business enterprises for making investment, payout, and financing decisions, and in managing working capital.

Prerequisite: MBAA 6021

MBAA 6071 Corporate Finance (3 semester hours)

This course covers the core concepts and tools required by managers in analyzing and making financial decisions. Students will learn the theory and technique of corporate finance and apply them to real world situations. Topics include financial statement analysis, valuation and capital budgeting, and risk and return. The course emphasizes the use of Excel in solving financial problems.

Prerequisite: MBAA 6021

MBAA 6080 Data, Models, and Decisions (3 semester hours)

The course introduces students to the process of understanding, displaying, visualizing, and transforming data into insight in order to help managerial decision makers make better, more informed, data-driven decisions. The course provides a basic introduction to descriptive analytics, including visualization, predictive analytics, and preliminary exposure to some aspects of prescriptive analytics. The approach taken by the course is very practical and applied: hands-on learning is the central focus of the course. For each topic, a case/problem analysis will require the use of Excel and other specialized analytics and decision-making software.

MBAA 6081 Business and Performance Analytics (3 semester hours)

This course offers a comprehensive exploration of key business analytics techniques, focusing on data visualization, predictive and prescriptive modeling, and AI applications. The course covers time series forecasting, regression analysis, and AI-driven decision-making, with practical applications in finance, marketing, and operations/supply chain management. Students will learn to create effective data visualizations, create linear programming optimization models to improve operational efficiency, and conduct simulation and scenario analysis to assess risks for different decision options. By the end, students will be equipped to leverage advanced analytics tools to enhance business performance and make data-driven decisions.

MBAA 6090 Managing Information Systems (3 semester hours)

This course is designed to introduce the MBA student to key IT concepts and to enhance understanding of the issues that business executives face when developing and managing information systems. By completing the course, the student will be better equipped to make IT-related decisions, to participate in IT projects, and to knowledgeably communicate with IT experts.

MBAA 6091 Technologies in Business Management (3 semester hours)

For any organization to be successfully managed, it is necessary to provide management with valid information about the organization's products and services, its resources, and its environment. Most organizations now recognize that information technology (IT) is one of their most valuable resources and that computers and telecommunications technology are among their most powerful tools to assist in managing this information. This course is designed to introduce you to key IT concepts and to enhance your understanding of the issues that business executives face when developing and managing information systems. By completing the course, you will be better equipped to make IT-related decisions, to participate in IT projects, and to knowledgeably communicate with IT experts.

MBAA 6100 Managing International Business (3 semester hours)

This course broadens MBA students' perspective and helps them develop in-depth understanding of international business theories and practices. Students will learn about complex issues in different political, legal, economic, monetary, and socio-cultural systems and how they influence business operations. Students will study the key theories, government policies, and current trends of international traded and foreign direct investment. Students will also examine various market entry modes, strategy choices, as well as organization and management approaches. Through this course, students will acquire skills and knowledge necessary for evaluating international opportunities and challenges and for managing international expansion and operations.

Prerequisites: First-year MBA core courses.

MBAC 613 Consumer Behavior (3 semester hours)

This course is designed to refocus the student on the consumer as the object of marketing efforts. Social science concepts, drawn from such fields as psychology, sociology, anthropology, and economics, are used to examine influences on consumer choices, as well as to study the consumer decision process itself. Emphasis will be placed on how marketers use this knowledge to develop effective marketing programs.

Prerequisite: MBAA 6041.

MBAC 614 Marketing Research (3 semester hours)

Students will understand the role of research and analytics within organizations' strategic efforts to meet marketing goals, targets, and objectives. Students will be able to generate valid data and relevant insights using appropriate research methodologies. Special attention is dedicated to developing competencies so that students will be able to utilize available data and apply analytical insights in developing strategies, solving problems, and leveraging opportunities in the marketplace.

MBAC 616 Customer Relationship Management Analytics (3 semester hours)

Customer relationship management (CRM) is a business strategy paradigm that focuses on the systematic development of ongoing, collaborative customer relationships as a key source of sustainable competitive advantage. CRM represents a fundamental change in approach from traditional marketing; the goals shift from market share to share of customer. Operating under the assumption that competitive advantage is often gained through building customer equity, this course introduces the theory and practical implementation of customer relationship management strategies using customer databases. CRM Strategy Topics include: fundamentals of CRM strategy, customer profiling, measuring customer life-time value, customer profitability analysis, customer loyalty programs, and CRM technology overview. CRM Analytic Topics include: modeling customer lifetime value with linear regression, logistic regression for churn prevention, modeling time to reorder with survival analyses, association rules for market basket analyses, and customer profitability analyses. Students will be introduced to R programming and Excel-based analytic tools. (See BSAN 6050.)

Prerequisite: Completion of a college statistics course in the last four years with a grade of B or higher.

MBAC 618 Visual Analytics with Tableau (3 semester hours)

You will learn visual display principles for identifying patterns and trends in data and effective storytelling, to generate and communicate insights, and translate insights into actionable strategies. You will understand how to analyze different types of data from multiple perspectives using a variety of chart types in Tableau. You will be able to interactively link charts to create informative dashboards for gaining more comprehensive insight into the data. Special attention will be dedicated to communications skills in sharing insights and storytelling, so that viewers can easily understand and use the information. This course is designed for students with little or no experience with Tableau.

Prerequisites: Completed or concurrent course in marketing at any level

MBAC 620 Global Marketing Strategy (3 semester hours)

Concepts, principles, processes, and implications relevant to gaining competitive advantage in the global marketplace are examined. Topics include analysis of the company environment, identification of the company's competitive strategy, assessment of segments and identifying target markets, entry and expansion into the global marketplace, development of global positioning and marketing strategies, and standardization and adaptation strategies. Also listed under MBAG 620.

Prerequisite: MBAA 6041.

MBAC 621 Pricing Strategy (3 semester hours)

The focus of this course is on the function of price as a driver of profit. Particular attention is given to the roles of customers, costs, and competitors as key concerns when developing pricing strategies. All aspects of pricing within the marketing and business environment are examined including theories and models of pricing strategy and common pricing techniques used in contemporary business practice. Theoretical elements from psychology, economics, accounting, and finance are addressed.

Prerequisite: MBAA 6041.

MBAC 660 Marketing Strategy (3 semester hours)

Includes an emphasis on development and implementation of marketing strategy and marketing planning. This course is designed to provide the student with advanced theoretical and practical approaches of those methodologies that lead toward survival and growth in the marketing and competitive environments. Marketing strategy concepts are reviewed in detail.

Prerequisite: MBAA 6041.

MBAC 662 Product and Brand Management (3 semester hours)

This class addresses important decisions faced by an organization. The objectives will be to increase an understanding of the important issues in planning and to provide the appropriate theories, models, and other tools to make better branding decisions. Emphasis is placed on understanding psychological principles at the consumer level that will improve managerial decision making with respect to brands.

Prerequisite: MBAA 6041 or MBAA 6061.

MBAC 663 Business-to-Business Marketing (3 semester hours)

Although firms marketing products and services to other organizations, rather than to final consumers, account for a majority of our economy, marketing was slow to acknowledge the importance of such exchanges. This course focuses on the analysis of issues emerging when the buyer is an organization. Topics include relationship marketing, organizational buying behavior, and marketing of technology.

Prerequisite: MBAA 6041.

MBAC 664 Advertising and Promotional Strategy Advertising and Promotional Strategy (3 semester hours)

The field of Integrated Marketing Communications (IMC) is a recognition of the need for firms to coordinate their various promotional activities and expenditures to achieve overall objectives. This course will cover advertising, public relations, sales promotions, and direct marketing theory and technique and their interrelationships. Students will develop a promotional strategy for an organization using complementary elements of each of these tools.

Prerequisite: MBAA 6041.

MBAC 698 Special Studies (1-3 semester hours)

Prerequisite: As designated by the MBA and MS Programs Office.

MBAC 699 Independent Studies (1-3 semester hours)

Prerequisites: MBAA 6041.

MBAD 619 Risk Analysis and Financial Modeling (3 semester hours)

This course introduces advanced quantitative model building skills for financial risk analysis. Provides hands-on experience in the development of spreadsheet simulation and forecasting models for applications in valuation, capital budgeting, mergers and acquisitions, option pricing, and portfolio management. Also listed as MBAF 619.

Prerequisites: MBAA 6071 and MBAA 6091.

MBAD 635 Information Technology Security (3 semester hours)

After 9/11 and the fall of Enron - the 7th largest corporation in America - information technology security has become one of the fastest growing areas in the business world. The need to know how to protect corporate information from attacks both from terrorists and business insiders are enormous. The main objective of this course is to provide students an exposure to the complex information security management issues in the US today. This course offers business professionals a unique blend of technical knowledge and managerial training to investigate digital threats, study corporate security needs, modeling potential risk, and explore possible strategies that management can adapt to protect valuable corporate assets. Also listed as MBAC 635.

Prerequisites: MBAA 6021 and MBAA 6091.

MBAD 680 Building an eCommerce Business in a Semester (3 semester hours)

Using a practitioner's approach combined with the exposure to necessary knowledge of eBusiness management, strategy, technology, and operations, this course examines how to build a successful eBusiness including a functional eBusiness website. The focus is primarily on the knowledge needed to build a consumer centric eBusiness (B2C). Also listed as MBAC 680 and MBAH 680.

Prerequisites: MBAA 6041 and MBAA 6091.

MBAD 698 Special Studies (1-3 semester hours)

Prerequisite: as designated by the MBA Office.

MBAD 699 Independent Studies (1-3 semester hours)**MBAE 601 The Legal and Ethical Environment of Business (3 semester hours)**

The factors present in the external environments of business relative to business law and political entities that must be dealt with by business managers. Interrelated ethical considerations will be explored along with such topics as agency, contracts, business organizations, property, the court system, and business interfaces with local, state and federal governments. This course satisfies the Business and Society requirement.

MBAE 613 Performance Management (3 semester hours)

Key principles, methods and techniques are presented for enhancing employee productivity through performance problem analysis, work design, coaching, training and skill development, performance appraisal system design and implementation, employee correction and discipline, interpersonal communications skills, team development and management, empowerment and other formal and informal performance management systems. Includes Human Resource performance management issues and methods appropriate for the small- and medium-sized enterprise. Critical legal aspects of performance management are also covered. Also listed as MBAB 613 and MBAH 613.

Prerequisite: MBAA 6011.

MBAE 630 Strategic Human Resource Management (3 semester hours)

This course examines important HRM topics that are closely involved in the successful formulation and implementation of strategy within organizations for achieving competitive advantage, including strategic human resource planning and staffing, organizational culture and leadership, communication, compensation and reward systems, managing organization change and development, and building learning organizations.

Prerequisite: MBAA 6011.

MBAE 636 Managing Organizational Change and Development (3 semester hours)

This course will focus on an investigation of the emerging field of Organization Development (OD), including its major theories, basic concepts and primary intervention/change strategies. This course will focus on assessing the health/effectiveness of an organizational system and how planning an intervention/change strategy will increase the effectiveness of the organization. Also listed as MBAB 636.

Prerequisite: MBAA 6011.

MBAE 637 International Management of Human Resources (3 semester hours)

This course examines key issues and problems involved in managing human resources on a global scale. In addition to comparative analysis of traditional HRM areas such as staffing, training, performance appraisal, and compensation, special topics include expatriate preparation, repatriation, and managing an international and culturally diverse workforce. Also listed as MBAB 637 and MBAG 637.

Prerequisite: MBAA 6011.

MBAE 650 Environmental Strategy (3 semester hours)

This course sensitizes students to the broad range of environmental issues affecting business and society today. It examines how society's increasing concern for the natural environment is having a major impact on business firms as well as how business is affecting the environment. Theoretical frameworks and case studies are used. A strategic approach is emphasized. This course satisfies the Business and Society requirement.

Prerequisite: MBAA 6011.

MBAE 651 Ethical Issues in Business (3 semester hours)

This course will identify and examine critical business ethics issues for the 21st century enterprise, studied through the frameworks of (a) applied organizational ethics and, (b) sustainable development and the Sustainable Development Goals (SDGs). Special emphasis will be placed on ethical leadership, ethical reasoning and decision-making, the skills of ethical leadership, and the imperative of sustainable development as a lens for examining business as a force for good.

This course satisfies the Business and Society requirement.

Prerequisite: MBAA 6011.

MBAE 685 Power, Politics, and Negotiation in Organizations (3 semester hours)

A study of organizational politics and power applications within the organization. The focus is a positive practical understanding and application of power within organizations. Inter- and intra-organizational negotiation techniques are also explored from theoretical and practical standpoints. Also listed as MBAB 637.

Prerequisite: MBAA 6011.

MBAE 698 Special Studies (1-3 semester hours)

Prerequisite: As designated by the MBA and MS Programs Office.

MBAE 699 Independent Studies (1-3 semester hours)

Prerequisites: MBAA 6011, MBAA 6021, MBAA 6041, MBAA 6061, MBAA 6071, MBAA 6081, and MBAA 6091.

MBAF 610 Financial Statements Analysis and Valuations (3 semester hours)

This course will cover the theory and practice of financial statements analysis and valuation. Students will learn how to use theory and data to solve challenging business problems with incomplete information. Students will become comfortable with using financial modeling as a tool to help them perform financial analysis and make decisions. Note: This course is required for the Finance concentration.

Prerequisite: MBAA 6071.

MBAF 611 Financial Markets (3 semester hours)

This course introduces students to the various financial markets. Emphasis is on the history and development of each market as well as changes in the markets over recent years. The impact of factors such as technology, regulation, political and global environments on the operations of these markets will be discussed.

Prerequisite: MBAA 6071.

MBAF 614 Accounting and Finance Concepts for Strategic Planning (3 semester hours)

Through the lens of a Chief Financial Officer, this course aims to highlight common mistakes in strategic planning and prepare students to convincingly document critical financial assumptions, incorporating global trends, ethics, and real-world risk management. Key concepts that help to evaluate initial funding, cash flows, and return on investment in formats used in banks and boardrooms are examined.

Prerequisite: MBAA 6071.

MBAF 619 Risk Analysis and Financial Modeling (3 semester hours)

This course introduces advanced quantitative model building skills for financial risk analysis. Provides hands-on experience in the development of spreadsheet simulation and forecasting models for applications in valuation, capital budgeting, option pricing, and portfolio management. Also listed as MBAD 619.

Prerequisites: MBAA 6071 and MBAA 6081.

MBAF 620 Entrepreneurial Finance (3 semester hours)

The course equips students the key relevant skills necessary for financial planning and projection for a startup or a new project. Students are introduced to the various concepts, resources, and strategies for financing a new and growing venture as well as the different exit alternatives that it may be eventually exploring. The course also covers the key tactics and approaches to negotiating a financial deal from the vantage points for both the entrepreneur and the investor. The class is ideal for aspiring entrepreneurs as well as anyone interested in pursuing a career in investment banking, venture capital, or private equity. Also listed as MBAH 620.

Prerequisite: MBAA 6071.

MBAF 623 Investments (3 semester hours)

Presents portfolio theory and security analysis. Describes the market for each security and available investment strategies. Presented from a personal investor perspective.

Prerequisite: MBAA 6071.

MBAF 624 Mergers and Acquisitions (3 semester hours)

A capstone MBA entrepreneurial experience that looks at mergers, acquisitions, long-term capital investments, levered buyouts, and divestitures. Major management decisions attempting to exploit economic and market opportunities are investigated in regard to their impact upon shareholder wealth. Also listed as MBAH 624.

Prerequisite: MBAA 6071.

MBAF 625 Real Estate Investments and Entrepreneurship (3 semester hours)

An entrepreneurial approach to real estate investment built around financial modeling, market area supply and demand analysis, risk analysis, mortgage alternatives, and taxation impacts. Merits of real property investment options and strategies are presented in a "real world" context. Also listed as MBAH 625.

Prerequisite: MBAA 6071.

MBAF 628 The CFO Perspective (3 semester hours)

The roles and responsibilities of the Chief Financial Officer (CFO) in multiples industries and contexts are examined in depth to understand the relationships among the financial, operational, and strategic issues of the firm. Multiple perspectives on the role of the CFO are explored.

Prerequisites: MBAA 6021 and MBAA 6071.

MBAF 648 International Finance (3 semester hours)

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding of the basic tools of financial decision-making in an international environment. Key topics of study include exchange rate determination; relationships between inflation, interest rates, and exchange rates; risk management; multinational capital budgeting; and international portfolio theory. Also listed as MBAG 648.

Prerequisite: MBAA 6071.

MBAF 698 Special Studies (1-3 semester hours)

Prerequisite: As designated by the MBA and MS Programs Office.

MBAF 699 Independent Studies (1-3 semester hours)

Prerequisites: MBAA 6011, MBAA 6021, MBAA 6041, MBAA 6061, MBAA 6071, MBAA 6081, and MBAA 6091.

MBAG 620 Global Marketing Strategy (3 semester hours)

Concepts, principles, processes, and implications relevant to gaining competitive advantage in the global marketplace are examined. Topics include analysis of the company environment, identification of the company's competitive strategy, assessment of segments and identifying target markets, entry and expansion into the global marketplace, development of global positioning and marketing strategies, and standardization and adaptation strategies. Also listed under MBAG 620.

Prerequisites: MBAA 6041 and MBAA 6061.

MBAG 630 Emerging Markets (3 semester hours)

Knowledge and applied skills in international business venture creation in emerging markets are developed. Structured around the business venture start-up process, key international business transactions, country business environment, and business applications in cross-cultural settings in emerging markets are addressed through student feasibility studies of international business venture start-up in emerging markets.

Prerequisite: MBAA 6061.

MBAG 637 International Management of Human Resources (3 semester hours)

This course examines key issues and problems involved in managing human resources on a global scale. In addition to comparative analysis of traditional HRM areas such as staffing, training, performance appraisal, and compensation, special topics include expatriate preparation, repatriation, and managing an international and culturally diverse workforce. Also listed as MBAB 637 and MBAE 637.

Prerequisites: MBAA 6011 and MBAA 6061.

MBAG 640 Global Strategy (3 semester hours)

The formulation and implementation of business and corporate strategies for worldwide operations in the increasing global economy, as opposed to those of purely domestic firms or firms marginally involved in international activities, is examined. The most recently developed approaches and concepts are discussed and applied through the use of extensive international case studies and current readings. Also listed as MBAB 640.

Prerequisites: MBAA 6011 and MBAA 6061.

MBAG 641 International Management (3 semester hours)

Differences in political, economic and socio-cultural environments around the world challenge managers with opportunities and risks. The primary objective of the course is to help the students achieve understanding of the international business environment and evaluate the agenda facing managers operating in international business contexts. Also listed as MBAB 641.

Prerequisites: MBAA 6011 and MBAA 6061.

MBAG 646 International Entrepreneurship (3 semester hours)

The course focuses on international small business venture initiation process and seeks to develop students' knowledge in three components of international entrepreneurship: initiating entrepreneurial venture, managing complex international business transactions, and dealing in multicultural business environments. The course consists of lectures, case discussions, and an international entrepreneurial business project. Also listed as MBAH 646.

Prerequisites: MBAA 6011, MBAA 6041, MBAA 6061, and MBAA 6071.

MBAG 647 International Marketing (3 semester hours)

This course will examine marketing management and planning factors and techniques required for success in a global environment. Students will develop an appreciation for the external forces which shape the international marketer's decisions and will study strategic decision-making used by international firms as they enter and adapt to new cultures and nations. Also listed as MBAC 647.

Prerequisites: MBAA 6041 and MBAA 6061.

MBAG 648 International Finance (3 semester hours)

This course integrates investment, financing, and dividend policies and practices for multinational corporations. Topics include measuring and managing foreign exchange risk, foreign investment decisions, capital budgeting and cost of capital in an international perspective, political risk, working capital management, and international financial markets. Also listed as MBAF 648.

Prerequisites: MBAA 6071 and MBAA 6061.

MBAG 698 Special Studies (1-3 semester hours)

Prerequisite: As designated by the MBA and MS Programs Office.

MBAG 699 Independent Studies (1-3 semester hours)

Prerequisites: MBAA 6011, MBAA 6021, MBAA 6041, MBAA 6061, MBAA 6071, MBAA 6081, and MBAA 6091.

MBAH 611 New Venture Creation (3 semester hours)

This course has been designed to provide students with an overall understanding of the concept of entrepreneurship and small business management, and to prepare them for starting, surviving, and succeeding in business. A major thrust of this course is developing a solid business concept, which involves identifying problems, finding one or more solutions, building a series of Minimal Viable Products (MVPs) and testing/validating the concept (market validation), modifying the business model (pivoting), and formulating a professionally constructed workable plan (business pitch deck/plan).

Prerequisites: MBAA 6011, MBAA 6041, and MBAA 6071.

MBAH 613 Performance Management (3 semester hours)

Key principles, methods, and techniques are presented for enhancing employee productivity through performance problem analysis, work design, coaching, training and skill development, performance appraisal system design and implementation, employee correction and discipline, interpersonal communication skills, team development and management, empowerment, and other formal and informal performance management systems. Includes Human Resource performance management issues and methods appropriate for the small- and medium-sized enterprise. Critical legal aspects of performance management are also covered. Also listed as MBAB 613 and MBAE 613.

Prerequisite: MBAA 6011.

MBAH 616 Creativity and Innovation Management (3 semester hours)

In this course, students discover what innovation and creativity really are and why they are more important than ever to sustaining success. They learn how to build an intellectually diverse team and an organizational culture to spark creativity. They also explore powerful tactics for brainstorming ideas for new products, services, processes, and business models. The class consists of lectures, readings, and guest lectures to explore strategies and best practices.

Prerequisite: MBAA 6011.

MBAH 617 Entrepreneurship and Law (3 semester hours)

The course focuses on the major legal issues relevant to starting and growing an entrepreneurial enterprise. Some of the key topics covered include the legal, financial, and other business strategies associated with incorporation, intellectual property (patent, trademark, copyright), founder agreement, adviser agreement, operating agreement, financing term sheet, and contract and investor rights agreement. Other topics often discussed include lease agreement, labor laws, and franchising agreement, among others.

Prerequisite: MBAA 6011.

MBAH 618 Entrepreneurial Marketing (3 semester hours)

How do successful startups market (and sell) their products/services when they are so limited in time, people, and finances? The course has been designed to provide students with some of the most innovative and relevant marketing strategies and methods employed by startups and other early-stage or financially-constrained companies. In this course, students will explore the latest best practices in "growth marketing," e.g., effective use of online advertising methods (e.g., Google AdWords, search engine optimization, and Facebook/Instagram advertising), crowdfunding (e.g., Kickstarter), influencer marketing, unpaid media promotion, as well as many offline methods of promotion. Students get their "hands dirty" designing advertisements and measuring performance ("analytics") of their actions.

Prerequisite: MBAA 6041.

MBAH 619 Business Incubation (3 semester hours)

In this course, students develop first-hand experience in starting, planning, running, and growing one or more new venture(s). Each startup sets clear goals and milestones and works diligently to achieve them by the end of the course. The course consists of a weekly team progress presentation, coaching by the instructor and mentors, and guest lectures by experts relevant to the startup projects in class. The course culminates with an Incubator Showcase and a presentation to the business community at the end of the semester.

Prerequisite: MBAA 6011.

MBAH 620 Entrepreneurial Finance (3 semester hours)

The course equips students the key relevant skills necessary for financial planning and projection for a startup or a new project. Students are introduced to the various concepts, resources, and strategies for financing a new and growing venture as well as the different exit alternatives that it may be eventually exploring. The course also covers the key tactics and approaches to negotiating a financial deal from the vantage points for both the entrepreneur and the investor. The class is ideal for aspiring entrepreneurs as well as anyone interested in pursuing a career in investment banking, venture capital, or private equity. Also listed as MBAF 620.

Prerequisite: MBAA 6071.

MBAH 624 Mergers and Acquisitions (3 semester hours)

A capstone MBA entrepreneurial experience that looks at mergers, acquisitions, long-term capital investments, levered buyouts, and divestitures. Major management decisions attempting to exploit economic and market opportunities are investigated in regard to their impact upon shareholder wealth. Also listed as MBAF 624.

Prerequisite: MBAA 6071.

MBAH 625 Real Estate Investments and Entrepreneurships (3 semester hours)

An entrepreneurial approach to real estate investment built around financial modeling, market area supply and demand analysis, risk analysis, mortgage alternatives, and taxation impacts. Merits of real property investment options and strategies are presented in a "real world" context. Also listed as MBAF 625.

Prerequisites: MBAA 6071.

MBAH 646 International Entrepreneurship (3 semester hours)

The course focuses on international small business venture initiation process and seeks to develop students' knowledge in three components of international entrepreneurship: initiating entrepreneurial venture, managing complex international business transactions, and dealing in multicultural business environments. The course consists of lectures, case discussions, and an international entrepreneurial business project. Also listed as MBAG 646.

Prerequisites: MBAA 6011, MBAA 6041, and MBAA 6071.

MBAH 650 Social Entrepreneurship (3 semester hours)

This course is an introduction to the field of social entrepreneurship - the process of using an entrepreneurial mindset and business skills to create innovative approaches to addressing societal problems. Various concepts and examples of social entrepreneurship (both not-for-profit and for-profit models) are examined through theoretical discussion and case studies. Students will explore their own solutions to a social problem of their choice.

Prerequisite: MBAA 6011.

This course satisfies the Business and Society requirement.

MBAH 673 New Product Design and Development (3 semester hours)

This course is a team-taught course (professors from Engineering and MBA) that is cross-listed with MECH/SELP 673. The course includes both individual projects and assignments and a team project to create a new product, develop a prototype, and then develop a business plan for bringing the product to market. Each team will involve engineers and MBA students. In the past, the course has created outstanding results, including projects that are actually being taken to market. Teams have competed in international New Venture Competitions representing LMU.

Prerequisites: MBAA 6041 and MBAA 6071.

MBAH 680 Building an eCommerce Business in a Semester (3 semester hours)

Using a practitioner's approach combined with the exposure to necessary knowledge of eBusiness management, strategy, technology, and operations, this course examines how to build a successful eBusiness including a functional eBusiness website. The focus is primarily on the knowledge needed to build a consumer centric eBusiness (B2C). Also listed as MBAC 680 and MBAD 680.

Prerequisites: MBAA 6041 and MBAA 6091.

MBAH 698 Special Studies (1-3 semester hours)

Prerequisite: As designated by the MBA and MS Programs Office.

MBAH 699 Independent Studies (1-3 semester hours)

Prerequisites: MBAA 6011, MBAA 6021, MBAA 6041, MBAA 6061, MBAA 6071, MBAA 6081, and MBAA 6091.

MBAI 691 Comparative Management Systems (CMS) (3 semester hours)

This course teaches students to critically analyze the market forces, political and economic considerations, and management issues that face global managers. Students will participate in a team project requiring research and analysis of an industry in a particular region of the world, including an international trip to two or more countries.

Prerequisites: MBAA 6061.

MBAI 697 Internship Experience (0 semester hours)

This zero-semester-hour course will assist students in attaining practical experience relevant to the student's area of emphasis. Course is repeatable.

Credit/No Credit only.

MBAI 698 Special Studies (0-3 semester hours)**MBAI 699 Independent Studies (0-3 semester hours)****MBAP 6110 Financial Accounting (2 semester hours)**

This course introduces the role of accounting in business and society, the basic concepts and techniques of financial accounting, and use of financial statements for decision-making purposes.

MBAP 6120 Managerial Accounting (2 semester hours)

This course presents the nature, techniques, and uses of accounting from a manager's perspective. Topics include interpreting quality of earnings, alternative accounting measurement techniques, and operational decision making.

MBAP 6210 Fundamentals of Finance (2 semester hours)

This course establishes the fundamentals of financial analysis, including analyzing financial statements and financial ratios, time value of money and present value, valuing financial securities, risk and return, and long-term capital budgeting.

MBAP 6220 Corporate Finance and Capital Markets (2 semester hours)

This course reviews and builds on the finance materials covered in MBAP 608 Fundamentals of Finance, including applying capital budgeting techniques to capital investment decisions, exploring capital structure and distribution policies, examining the structure of, and participants in, financial markets, and discussing the raising of capital in those markets.

MBAP 6230 Financing Expansion and Resolving Growth Issues (1.5 semester hours)

This course builds upon the material introduced in MBAP 609 Corporate Finance and Capital Markets. This course integrates with the international expansion project and covers topics such as mergers and acquisitions, planning and forecasting for corporate growth and expansion, executive compensation, and real options.

MBAP 6310 Business Insights (2 semester hours)

This course is designed to facilitate students in becoming judicious users of data in strategic management. The course integrates cases and a simulation aimed at developing competencies critical to data-based managerial decisions. Students will learn to identify information needs—what information, data, and analyses would be needed—in order to ensure more effectual decisions. Special emphasis will be placed on improving students' skills in interpreting research findings and other data, and deploying such information to craft recommendations and decisions.

MBAP 6320 Big Data, Analytics, and Organizational Decision-Making (1 semester hour)

This course builds on the MBAP 603 Business Analytics course. It examines how companies can utilize regular data and Big Data with Business Analytics to support organizational decision-making. Students learn about the role of Big Data in organizational decision-making, examine the types of traditional and Big Data architecture needed to create analytics-ready data that can be used for decision-making process; and learn how to apply analytics to inform better decisions.

MBAP 6330 Applied Business Economics (1 semester hour)

This course applies economic concepts and tools to solve contemporary, real-world business problems. Includes economic terminology, issues and methods, determinants of supply and demand, elasticity concepts, understanding the economics of the firm, and characteristics of alternative market structures.

MBAP 6340 Applied Macro Economics (1 semester hour)

Explores how aggregate production and spending interact within free markets in the context of the global economy, including understanding how government policies, including monetary, fiscal, and regulatory policies, help shape the environment in which companies compete.

MBAP 6410 Marketing Management (2.5 semester hours)

This course is to introduce students to a basic understanding of marketing's role in accomplishing an organization's mission. Students will learn the basic concepts of marketing, including segmentation, targeting, differentiation, positioning, buyer behavior, and the elements of the marketing mix—product, pricing, placement, and promotion (4Ps).

MBAP 6420 Strategic Marketing (3 semester hours)

This course builds upon the marketing concepts and processes explored in MBAP 634 Marketing Management and further introduces the philosophy and practices of strategic marketing. Students will learn a variety of marketing tools available to the firm and how to utilize individual marketing tools to create and implement sustainable marketing strategies and marketing activities.

MBAP 6510 Executive Communications I (1 semester hour)

This course includes basic elements of corporate communication strategy with an emphasis on writing, presenting, and listening.

MBAP 6520 Executive Communications II (1 semester hour)

Emphasizes developing and delivering effective presentations.

MBAP 6530 Negotiations (1 semester hour)

In this course students learn how to negotiate effectively in cross-cultural contexts that impact business. Students are exposed to negotiation processes and will have opportunities of applying theoretical knowledge in negotiation simulations.

MBAP 6610 Human Capital Management (2.5 semester hours)

Introduces students to key human capital management concepts and tools for managing individual and organizational performance. Includes human capital and organizational performance; HR strategy development and planning; HR "best practices"; establishing, evaluating, and rewarding performance; high performance management practices; recruitment/retention of superior staff; knowledge management; and work design.

MBAP 6650 Management and the Technological Future (1 semester hour)

Making decisions within a rapidly-changing environment of uncertainty is critical to business leadership. This course examines the creation, diffusion and disruption of innovative technologies across several industries including (but not limited to) AI, Healthcare, Transportation, Food and Nutrition, Fitness, Finance and Real Estate, Videoconferencing. The course will include several "Living Case Studies" that will feature top executives from an industry sharing the most difficult leadership decision they have ever faced. Students will learn several strategic frameworks for making decisions while considering complexities in leadership and issues related to managing key constituents and stakeholders within dynamic environments.

MBAP 6670 Strategic Management (2.5 semester hours)

This course addresses macro-level issues and how they impact the long-term direction of the firm. External forces (globalization, economic trends, technology trends, political and legal environment, and market trends) are analyzed and evaluated to determine strategies that will lead to and sustain a competitive advantage for the firm.

MBAP 6710 Strategic Opportunity Assessment (0.25-1.25 semester hours)

This skill application project involves the identification and evaluation of an international business opportunity. A major report and presentation integrate module concepts into a supportable recommendation for board-level decision.

MBAP 6720 Strategic Opportunity Implementation (3 semester hours)

This skill application project is a comprehensive implementation plan for the business opportunity identified and evaluated in the Module 3 skill application project.

MBAP 6730 International Negotiations (0.5 semester hours)

In this course students learn how to negotiate effectively in cross-cultural contexts that impact business. Students are exposed to negotiation processes and will have opportunities of applying theoretical knowledge in negotiation simulations.

MBAP 6750 Business in the International Environment I (2 semester hours)

This course helps students understand the intricacy of the global political economy by understanding the issues involving international trade and investment for multinational corporations

MBAP 6760 Business in the International Environment II (1.5 semester hours)

This course supplements MBAP 614 Strategic Opportunity Implementation. Students draw on the international field trip's lectures, site visits, presentations, and cultural experiences to gain insights and key "lessons learned" regarding the unique issues, challenges, and potential benefits of conducting business in an international setting. The course includes identifying and assessing major trends (e.g., economic, political, cultural) impacting a U.S. firm seeking to conduct business in a foreign setting and applying the insights gained from their international field trip experience to their own respective individual work environments.

MBAP 6810 Introduction to Executive Leadership (2.5 semester hours)

The program begins with a four-day residential retreat where students set learning goals, form study teams, and engage in a variety of workshops and team-building exercises. A workshop specifically designed for students and their spouses/significant others addresses the importance of achieving balance between family, work, and school, and introduces the Spouse/Partner Support Program.

MBAP 6820 Leadership Foundations (2 semester hours)

Addresses what it means to be a leader in the 21st century. Focuses on three areas related to leadership: the key framework that defines a leader; the key issues a leader encounters in daily work, such as managing people, professional growth planning, and providing feedback and coaching; and the context within which the leader operates, including organizational change, climate and culture, and organizational power and politics.

MBAP 6830 Executive Leadership (1.5 semester hours)

This course provides the perspective of senior managers and what they must do to successfully lead a firm in the 21st century. The course work emphasizes alignment of strategy into action, change management, ethical decisions, and the role of the CEO as figurehead of the firm. Leadership concepts are compared across different industry and organizational settings. A major objective of the course is to "tie together" the leadership threads in the program by integrating leadership concepts learned with one's own personal leadership development experiences.

MBAP 6840 Professional Development (0.5-1.5 semester hours)

Provides the tools, guidance, and professional support for developing a well thought-out plan for professional growth. It effectively lets students apply the tools of analysis used in business to develop a professional growth plan.

MBAP 6850 Ethics and Spirituality in the Workplace (0.5 semester hours)

Effective business leadership requires a commitment to personal leadership development and formation in order to fully realize one's personal goals and maximize the value of the organization and the contribution it makes to stakeholders and society at large. This approach defines valuation in its broadest sense and links one's development as a principle-based leader to how an organization identifies and implements core values within the enterprise.

Credit/No Credit only.

MBAP 6880 Leadership Practicum (1 semester hour)

This course provides a forum for applying and strengthening leadership and team building skills. Through classroom and experiential learning activities, students will gain insight into their own leadership style and use it more effectively.

MBAP 6910 Managing Innovation (3 semester hours)

This course introduces students to the innovation process within organizations. It examines the leadership, management, organizational, and cultural factors that either facilitate or inhibit innovation in organizations, whether it be in systems for new product development, services, operations, management, or administration. Students will research leading companies to identify and understand factors critical for their ability to sustain innovation. Upon completion of the course, students will gain an understanding of how innovation can contribute to a firm's strategy for sustaining competitive advantage.

MBAP 6920 Field Study: Innovation in Practice (2 semester hours)

This course supplements the Managing Innovation course (MBAP 629). The main component of the course is a domestic field trip to leading companies to study how their leadership, management, organizational, and cultural factors contribute to sustaining innovation in their respective organizations.

MBAP 6950 New Venture Start Up (3 semester hours)

This course introduces entrepreneurship as an integral part of our economy at the local, regional, national and global levels. Students will gain knowledge and skills that will enable successful entrepreneurial careers in both small and large organizations, and students will learn the application steps in starting a new venture and preparing a business plan for this venture.

MBAP 6970 Field Consulting Project (1.5 semester hours)

In this course, student teams conduct an in-depth study of an actual business, usually a small disadvantaged or non-profit enterprise. Acting as consultants to the enterprise, students apply concepts learned in the classroom to actual business situations, and their recommendations and solutions carry real consequences. Students gain a framework for managing a consulting project and practice the art of quickly turning complex information into effective oral and written presentations.

MBAP 6998 Special Studies (0.5-4 semester hours)**MBAP 6999 Independent Studies (1-4 semester hours)****MBAW 6307 Management Leadership Workshop: Planning Your Future (0 semester hours)**

Focuses on strategies and tactics that students can leverage now and throughout their professional career. Topics include resume and LinkedIn profile development, interview skills, networking, employer engagement, and other related topics. Key outcomes include ensuring individuals better understand how to define and communicate their individual professional identity and value to employers across diverse fields and industries that represent a best career fit, and to take actions to maximize their chances at career success.

Credit/No Credit only.

MBAW 6400 MBA Orientation (2 semester hours)

Two-day introduction to the MBA Program.

Credit/No Credit only.

MBAW 6402 The Elements of Becoming A Strategic Leader (0-1 semester hours)

The main emphasis is on the skills the enable leaders to improve their ability to achieve pre-set goals through others, be it subordinates, and/or other team members. First and foremost is the honing of the ability to perform Critical Analysis of problem situations that lead to creative approaches to solving them. Leadership is the centerpiece of the session, and its key elements, including styles and approaches, self-assessment of personal strengths, and the spiritual elements that contribute to achieving organizational effectiveness and ultimate success.

Credit/No Credit only.

MDGK 1031 Eastern Orthodox Theology (4 semester hours)

The course introduces students to the primary theological teachings of the Eastern Orthodox Church. The course explores theology through written sources and the lived tradition of Orthodox communities and treats topics such as life and death, sin, religious identity, the meaning of community, saints, Mary, iconography and music, postmodernity, and growing close to God. University Core fulfilled: Foundations: Theological Inquiry.

MDGK 1101 Elementary Modern Greek I (4 semester hours)

An introductory course for students with little or no knowledge of the language. Based on a communicative approach, it covers the fundamentals of grammar, syntax, and vocabulary and emphasizes listening, reading, writing, and conversation skills.

MDGK 1102 Elementary Modern Greek II (4 semester hours)

A continuation of MDGK 1101, the course expands on the grammar, syntax, listening, reading, and conversation skills taught in MDGK 1101. Emphasis is on listening, reading, writing, and conversation skills. Cultural notes expand the understanding of Modern Greek life and culture.

MDGK 1180 Growing Up American (4 semester hours)

The course examines the intersections of ethnicity, race, gender, and socio-economic class in the context of contemporary American identity politics. Attention is paid to immigrant identities as well as the Greek-American identity.

University Core fulfilled: Foundations: Studies in American Diversity.

MDGK 1998 Special Studies (1-4 semester hours)**MDGK 1999 Independent Studies (1-4 semester hours)**

MDGK 2203 Intermediate Modern Greek I (4 semester hours)

The course builds on the curriculum taught in MDGK 1102. Students engage in the finer points of Greek grammar and syntax and enrich their vocabulary further. Emphasis is given to listening, reading, writing, and conversational skills. Additional multimedia materials develop the students' proficiency skills in all areas and expand their understanding of Modern Greek language and culture. Longer writing assignments and class presentations allow students to practice further their acquired skills.

MDGK 2204 Intermediate Modern Greek II (4 semester hours)

The course builds on the curriculum taught in MDGK 2203 and aims at furthering proficiency through listening, reading, writing, and discussion of a variety of written sources and multimedia materials. Students refine their understanding of grammar and syntax. The reading and discussion of short literary selections and texts written for native speakers enrich vocabulary and give students the opportunity to practice their comprehension and speaking skills.

MDGK 2998 Special Studies (1-4 semester hours)**MDGK 2999 Independent Studies (1-4 semester hours)****MDGK 3220 Eastern Christian Traditions (4 semester hours)**

The course surveys Eastern Christian theological traditions by studying the history, theology, and practices of Oriental Orthodoxy, the Eastern Orthodox Church, and Eastern Catholic churches. Topics of more intense study will include the emergence of monasticism and its contribution to spirituality, Eastern liturgical and iconographic practices, surveys of ancient and contemporary hagiography, the Eastern views on Christology, the Church (ecclesiology), and the laity (marriage and moral theology), the ecumenical relationships among the Eastern churches, and between Eastern churches and the Roman Catholic Church.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason

Flags: Engaged Learning.

MDGK 3321 Advanced Modern Greek I (4 semester hours)

The course aims at refining the students' knowledge of grammar and syntax and developing further their vocabulary and comprehension skills. Multimedia materials and longer literary selections, help students develop their listening, reading, and writing skills as emphasis is now on more complex assignments. The class is taught in Greek. A reasonable command of Modern Greek is a prerequisite.

MDGK 3325 Advanced Modern Greek II (4 semester hours)

A variety of texts (literary and non-literary) and multimedia sources serve as the basis for advanced discussion and composition. Formal presentations are required. Students familiarize themselves with additional aspects of Greek culture, life, politics, and history. The class is taught in Greek. A reasonable command of Modern Greek is a prerequisite.

MDGK 3341 Introduction to Modern Greek Literature (in Translation) (4 semester hours)

An examination of the connections between literature and the formation of a Modern Greek national and cultural identity against the background of Greek history and myth.

This course may be repeated for credit.

MDGK 3342 Ancient Landscapes: Modern Voices (4 semester hours)

While fully immersed in a 4-week study abroad program in Greece, students study contemporary Greek society: the position and role of Greece in a European/global political and historical context, globalization and modernization, the connection between past heritage and contemporary culture, diverse forms of cultural and artistic expression, etc. The class discussions are complemented by visits to museums, sites, performances and other relevant field trips. This course is offered only in the summer.

University Core fulfilled: Integrations: Interdisciplinary Connections.

University Core fulfilled: Flag: Engaged Learning.

MDGK 3343 Angels and Demons: Women and Literary Stereotypes (4 semester hours)

The course examines the social issues relevant to women's position and representation in modern society (late 19th century to the present) through the interdisciplinary lenses of Greek and World literature and Women's Studies.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

MDGK 3344 Cities of the Dead: English and Modern Greek Modernism (4 semester hours)

A comparative study of Modern Greek and English Modernism and their use of classical myths. Texts from Eliot, Joyce, Seferis, Elytis, Kazantzakis, and others will be used for study and discussion.

MDGK 3346 Women, Madness, and the Cultural Imagination (4 semester hours)

A cross-cultural interdisciplinary exploration of social, cultural, and literary representations of female madness from antiquity to the present.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

Same as WGST 3306.

MDGK 3348 Modern Greek Theater: Influences and Performance (4 semester hours)

A multi-disciplinary exploration of Modern Greek theater from its ancient origins to its contemporary incarnations. Through a series of lectures and workshops with artists, students will engage with topics like the evolution of Greek theater as well as the creative process of writing, staging, and performing theater today.

University Core Fulfilled: Explorations: Creative Experience.

MDGK 3350 Greek Orthodox Tradition (4 semester hours)

The course approaches the study of the Greek Orthodox Church and its traditions from the theological, historical, cultural, literary, and artistic perspectives. Following an interdisciplinary approach, students examine the historical, social, and cultural forces operative on issues of faith.

University Core fulfilled: Integrations: Faith and Reason.

MDGK 3352 Orthodox Christian Spirituality (4 semester hours)

The course introduces students to the rich spiritual tradition of Eastern Orthodox Christianity. Following an interdisciplinary approach, the course explores the interrelationship of theological and spiritual concepts and how they relate to the sociological and psychological development of individuals and communities.

University Core fulfilled: Integrations: Faith and Reason.

MDGK 3354 Greek Cinema (4 semester hours)

A historical and critical survey of contemporary Greek cinema as an alternative narrative discourse that comments on contemporary political, social, and cultural circumstances.

University Core fulfilled: Integrations: Interdisciplinary Connections.

MDGK 3998 Special Studies (1-4 semester hours)**MDGK 3999 Independent Studies (1-4 semester hours)****MDGK 4450 Modern Greek History and Society (4 semester hours)**

The course is an introduction to the history, society, and culture of Modern Greece in the context of European and world history. Through an interdisciplinary approach (history, anthropology, political science, film, and literature), students examine the crises and challenges that have shaped modern Greek society, the transformations that have taken place, and the culture it has produced.

University Core fulfilled: Integrations: Interdisciplinary Connections.

MDGK 4452 Greece and the Modern World: Greece, Refugees, and the Making of Modern Europe (4 semester hours)

The course examines how the Middle East/North Africa refugee waves of the 20th-21st c have impacted Greek and European economies, demographics, and politics.

University Core fulfilled: Integrations: Interdisciplinary Connections.

MDGK 4998 Special Studies (1-4 semester hours)**MDGK 4999 Independent Studies (1-4 semester hours)****MDLG 3400 Linguistics (4 semester hours)**

Students examine major linguistic disciplines, such as phonology, phonetics, morphology, syntax, and language acquisition and variation. Languages from different linguistic families will be analyzed and compared. This class presents activities for raising linguistic awareness.

Prerequisite: At least 2102-level in two languages or permission of instructor.

University Core fulfilled: Explorations: Understanding Human Behavior.

MDLG 3998 Special Studies (1-4 semester hours)**MDLG 3999 Independent Studies (1-4 semester hours)****MDLG 4400 Selected Topics in Linguistics (4 semester hours)**

Topics in diverse subfields of Linguistics.

Prerequisite: MDLG 3400 or permission of instructor.

May be repeated for degree credit when content varies.

MDLG 4990 Senior Capstone Project (1 semester hour)

Exit research project (for majors only).

Credit/No Credit only.

Permission of instructor required.

MDLG 4998 Special Studies (1-4 semester hours)**MDLG 4999 Independent Studies (1-4 semester hours)****MECH 211 Computer Aided Design (2 semester hours)**

Introduction to computer aided design techniques and applications to design and manufacturing problems. Topics include: computer graphics for geometric design, design of curves and shapes, numerical methods for CAD and optimization. Practice and use of solid modeling software package.

Mechanical Engineering majors only.

MECH 212 Mechanics of Materials (3 semester hours)

This course will focus on the fundamental analysis of stresses, strains, and deflections of loaded members. Students will learn to analyze members undergoing axial, torsion, and bending loads. Students will be introduced to the simple design of members for failure prevention through component sizing and material selection.

Prerequisite: ENGR 200.

MECH 213 Dynamics (3 semester hours)

Introduction to Newtonian vector mechanics; Planar and three-dimensional kinematics and kinetics of particles and rigid bodies; rectilinear and curvilinear motion of a particle; rigid body motion; application of principle of work and energy, and principle of impulse and momentum.

Prerequisite: ENGR 200.

Corequisite: MATH 234.

MECH 214 Materials Science (3 semester hours)

A study of metallic, polymeric, and ceramic materials, emphasizing dependence of mechanical and electrical properties on solid-state bonding forces and micro-structure. Mechanical properties of materials. Introductory design considerations.

Prerequisites: CHEM 111 and CHEM 114.

MECH 223 Thermodynamics (3 semester hours)

The fundamental concepts of classical thermodynamics including properties, work and heat; first and second laws; entropy; irreversible processes; and thermodynamic analysis of power cycles and refrigeration cycles.

Prerequisites: MATH 132 and PHYS 101.

MECH 298 Special Studies (1-3 semester hours)

MECH 301 Measurements and Controls (3 semester hours)

An introductory course into the design, analysis, and control of experimental measurements. Different measurement techniques are analyzed for: strain, pressure, temperature, and velocity. Statistical techniques such as least-squares regression, statistical confidence and error analysis are covered. The dynamic response of control systems using Laplace transforms and control methods are also covered.

Prerequisite: MATH 245.

MECH 302 Thermal Science and Energy Lab (2 semester hours)

Team-based experimental projects in the disciplines of fluid mechanics, heat transfer, and thermodynamics; lab safety, instrumentation, test planning, data analysis and report writing.

Prerequisites: MECH 223 and MECH 322.

MECH 303 Solid Mechanics and Materials Laboratory (2 semester hours)

Students, working both individually and in teams, will conduct experiments using modern equipment and contemporary methods in solid mechanics and materials science. Lab safety, experimental methods, statistical data analysis, interpretation, and report writing will be emphasized.

Prerequisites: MECH 212 and MECH 313.

MECH 310 Machine Design (3 semester hours)

Failure analysis of common mechanical elements; analysis, design, and selection of standard mechanical elements such as shafts and shaft components, non-permanent and permanent joints, mechanical springs, bearings, gears, clutches, brakes, couplings, flywheels, and flexible mechanical elements; team-based design analysis project.

Prerequisites: MECH 211 and MECH 212.

MECH 312 Vibrations (3 semester hours)

Fundamentals of vibration of mechanical systems; free and forced vibration of single degree of freedom systems with and without damping; viscous and structural damping; instrumentation for vibration measurements; transient and steady-state response; two and higher degree-of-freedom systems; natural frequencies and mode shapes of vibration; vibration absorption and isolation.

Prerequisites: MECH 213 and MATH 245.

MECH 315 Metlrgcl Materials Eng (3 semester hours)

A concise introduction to the relationship of the microstructures and processing of metallic, ceramic, polymer, and composite materials and their relation to the properties required in engineering design.

MECH 321 Energy Systems (3 semester hours)

Review of energy equation and principles of thermodynamics; entrop and exergy. The fundamentals on conventional and renewable energy resources including the basics of conventional energy conversion. Additional topics will include the environmental impacts of energy consumption and economic considerations.

Lecture, 3 hours.

Prerequisite: MECH 223.

MECH 322 Fluid Mechanics (3 semester hours)

Properties of fluids, fluid statics and dynamics; energy equation; momentum equation; differential and integral approach; drag and lift analysis; turbulent and laminar flow; losses in pipes.

Prerequisites: MATH 234; MATH 246 or concurrent enrollment.

MECH 323 Heat Transfer (3 semester hours)

Fundamentals of heat transfer mechanisms: conduction, convection, and radiation; steady state and transient conduction; forced and free convection; heat exchangers; radiation between surfaces.

Prerequisites: MATH 245 and MECH 223.

MECH 340 Engineering Systems II (3 semester hours)

Process dynamics, instrumentation and feedback applied to automatic process control.

MECH 342 Mech Engr Lab II (2 semester hours)

A continuation of MECH 341 with projects in the disciplines of metallurgy and heat transfer. Lab safety, statistical data analysis, and report writing are emphasized.

MECH 345 Intro to Probability & Stats (1 semester hour)

Fundamentals of probability and statistics. Conditional probability, independence, random variables, distributions, densities. Experimental error analysis. Statistical confidence. Sampling. Statistical process control, X-R charts. Quality assurance.

MECH 353 Heat Transfer (3 semester hours)

The basic laws of conduction, convection, and radiation heat transfer. Thermal analysis and design of components and devices. Numerical analysis of heat conduction problem.

MECH 398 Special Studies (1-3 semester hours)**MECH 399 Independent Studies (1-3 semester hours)**

May not be taken as a required course.

MECH 401 Design Capstone Project I (3 semester hours)

Preliminary phases of the capstone project; industrial-sponsored and student design competition team projects; defining the project requirements, developing and refining a design concept, incorporating design standards, and validating the design performance through analysis and testing; formal and informal project reviews and reports; guest lectures by industry experts.

University Core fulfilled: Flags: Engaged Learning.

MECH 402 Design Capstone Project II (3 semester hours)

Final phases of the capstone project; industrial-sponsored and student design competition team projects; design iterations, component interaction and interfacing; fabrication and assembly; validating the design performance through experimental testing of the system components and subsystems; formal and informal project reviews and reports; guest lectures by industry experts.

Prerequisite: MECH 401.

Senior standing required.

MECH 410 Design and Manufacturing Laboratory (2 semester hours)

Introduction to common methods and technologies used in product design and development; design for manufacturing (DFM) guidelines; rapid prototyping and CNC machining; a comprehensive design and manufacturing project; technical reports.

MECH 412 Control Systems (3 semester hours)

Introduction to basic engineering techniques for modeling and controlling of dynamic systems, including mechanical, fluid, thermal, and electrical systems; analysis of transient and steady state response; application of root locus and frequency response methods in control system design; PID controllers.

Prerequisites: ENGR 160 and MECH 312.

MECH 441 Mech Eng Lab III (2 semester hours)

Laboratory applications of vibrations and data acquisition; elasticity, buckling, material testing; compressible flow and jet engine testing; and computer-aided manufacturing such as NC machining, rapid prototyping, investment casting, and robotics.

MECH 483 Elements of Design (3 semester hours)

The philosophy of design. Development of the methods of design. Application of the analysis of mechanical systems for stress, deflection, buckling, fatigue, and general reliability to the design of components such as springs, power screws, fasteners, bearings, and gears.

MECH 484 Mechanical Engr Design (3 semester hours)

Design projects. The philosophy and methodology of design is applied to the design of mechanical engineering systems. Steps include project definition, feasibility study, generation of candidate solutions, analysis, synthesis, decision making and component selection. Project record book, design drawings, design reviews, oral presentations, and a final report are required.

MECH 498 Special Studies (1-3 semester hours)**MECH 499 Independent Studies (1-3 semester hours)**

May not be taken as a required course.

MECH 509 Failure Analysis (3 semester hours)

An overview of how failures occur in systems. Failure modes like brittle fracture, creep, fatigue, and environmentally assisted cracking for metals, polymers, composites, and ceramics are described and discussed. A brief introduction to fracture mechanics is included. The nondestructive and destructive analytical tools to study failures, such as optical and scanning electron microscopy, metallography, hardness testing, and conductivity testing are described. The steps to conduct a failure analysis are discussed.

Senior or graduate standing required.

Majors only.

MECH 510 Computer-Aided Manufacturing (3 semester hours)

A comprehensive study of manufacturing with a focus on automation, flexible automation, group technology, process planning, and design for manufacturability. Principles and applications of computer numerical control (CNC) and NC programming, rapid prototyping, robotics, and quality engineering are introduced through lab work.

Senior or graduate standing required.

Majors only.

MECH 511 Materials Selection in Design (3 semester hours)

Application of principles of materials engineering to selection of materials for optimized engineering design, case studies in failure analysis, and process optimization.

Senior or graduate standing required.

Majors only.

MECH 515 Composites (3 semester hours)

Forms and properties of resins, fibers and composites; material and structural design and analysis; manufacturing, machining and assembly; quality assurance and testing; metal and ceramic based materials; information resources.

Senior or graduate standing required.

Majors only.

MECH 516 Finite Elements Methods (3 semester hours)

Introduction to the theory and application of finite element methods. Review of the fundamentals of analytical models, elasticity, and structural mechanics. Review of matrix theory and calculation of variations. General process for the development of a finite element solution. Derivations of basic elements, including those for trusses, plane stress and plane strain, beams, plates, and solids. Discussion of the issues of conformity and completeness. Higher order interpolation functions and isoparametric elements. Solutions and applications to problems in structural mechanics, heat transfer, structural dynamics, and elastic stability. Practical examples.

Senior or graduate standing required.

Majors only.

MECH 517 Fracture Mechanics (3 semester hours)

Introduction to concepts of fracture mechanics of engineering materials. These include stress analysis of cracks, fracture toughness, transition temperature, micro-structural aspects, and fatigue crack propagation behavior.

Senior or graduate standing required.

Majors only.

MECH 518 Design for Manufacturing (3 semester hours)

Fundamentals of designing machine, sheet metal, and plastic parts and deciding which type of part should be used for a given application. Design of subsystems and assemblies using the rules of datum features, design intent, and geometric dimensioning and tolerancing. Design for manufacturing, assembly, serviceability, and the environment. Hands-on design projects.

Senior or graduate standing required.
Majors only.

MECH 519 Advanced Vibrations (3 semester hours)

Vibration of discrete and continuous systems, including single and multiple degree-of-freedom systems as well as strings, rods, beams, and membranes. Theoretical and experimental methods for the determination of natural frequencies and mode shapes, as well as solving forced vibration problems. Discussion of applications, such as vibration measurements, signal processing, and vibration control. Introduction to nonlinear vibrations.

Senior or graduate standing required.
Majors only.

MECH 520 Computational Fluid Dynamics (3 semester hours)

In-depth study of applied computational methods for solving problems involving fluid and heat transport. Course will include both commercially available codes as well as self-generated solving routines. Topics include: numerical solutions to PDEs, steady flow solutions, unsteady flow solutions, flows involving heat transfer.

Prerequisite: CIVL 310 or MECH 322.
Senior or graduate standing required.
Majors only.

MECH 524 Alternative Energy Systems (3 semester hours)

A detailed study of alternative energy technologies including: solar thermal, solar photovoltaic, wind, fuel cells, and geothermal systems will be covered. In-depth analysis of the technical aspects of these systems will be covered while considering economic and environmental constraints. Energy storage and grid integration will also be considered.

Senior or graduate standing required.
Majors only.

MECH 526 Energy Systems (3 semester hours)

Review of energy equation and principles of thermodynamics; entropy and exergy. The fundamentals of conventional and renewable energy resources including the basics of conventional energy conversion. Additional topics will include the environmental impacts of energy consumption and economic considerations.

Senior or graduate standing required.
Majors only.

MECH 528 Advanced Dynamics (3 semester hours)

An overview of how failures occur in systems. Failure modes like brittle fracture, creep, fatigue, and environmentally assisted cracking for metals, polymers, composites, and ceramics are described and discussed. A brief introduction to fracture mechanics is included. The nondestructive and destructive analytical tools to study failures, such as optical and scanning electron microscopy, metallography, hardness testing, and conductivity testing are described. The steps to conduct a failure analysis are discussed.

Senior or graduate standing required.
Majors only.

MECH 529 Advanced Control Systems (3 semester hours)

Modern methods for controller design, including state-space modeling of dynamical systems, state feedback controller design, and state observer design. Linearization on nonlinear systems. Characteristics of linear systems including controllability, observability, and stability.

Senior or graduate standing required.
Majors only.

MECH 532 Robotics (3 semester hours)

This is a fundamental interdisciplinary robotics course containing both introductory as well as more advanced concepts. The course presents a broad overview of technology, kinematics and control, vision systems, robot languages and programming, applications, economics and social issues. A FANUC CERT LR Mate 200i robot will be used for class projects.

Senior or graduate standing required.
Majors only.

MECH 533 Additive Manufacturing (3 semester hours)

In this course, current state-of-the-art AM technologies for polymers, metals, ceramics, and composites will be covered in detail. Design, materials selection, innovations and implementations of AM will also be discussed. Upon successful completion of the course, students will understand the operation principles, advantages, and limitations of current state-of-the-art AM techniques alongside AM product development, technology development, and innovation.

Senior or graduate standing required.
Majors only.

MECH 534 Metallurgical and Materials Engineering (3 semester hours)

Advanced topics in the relationship of the microstructure and processing of metallic, ceramic, and polymeric materials and their relation to the properties required in engineering design. Phase transformations in ferrous and non-ferrous materials. All topics will be discussed in relation to Additive Manufacturing.

Senior standing required.
Majors only.

MECH 537 Rapid Prototyping (3 semester hours)

The course provides students with an opportunity to conceive, design, and implement a product using rapid prototyping technologies and computer-aided tools. Topics such as principles of rapid prototyping, rapid prototyping materials, reverse engineering, rapid tooling, medical applications, industry perspectives, and current research and developments will be introduced to students through laboratory works. Several rapid prototyping machines will be used for class projects.

Senior or graduate standing required.
Majors only.

MECH 539 Design for Additive Manufactur (3 semester hours)

what the additive manufacturing can offer. The course starts with discussions on part complexity, instant assemblies, part consolidation, mass customization, freedom from design, light weighting. It will discuss Design for AM guidelines for design parts, AM tooling design, polymer design, metal AM design. It will also discuss the post-processing and the future of additive manufacturing. The students will learn principles for successful engineering design for components for Additive Manufacturing through lecture and projects.

Majors only.
Senior Standing required.

MECH 541 Compressible Flow (3 semester hours)

Fundamentals of compressible fluid dynamics and application to external and internal flows. Topics covered will include: speed of sound and Mach number, isentropic 1-D flow in variable area ducts, converging nozzles, choking, converging-diverging nozzles, Rayleigh flow (duct flow with heat transfer), Fanno flow (duct flow with friction), normal and oblique shocks, and expansion fans.

Majors only.
Senior or graduate standing required.

MECH 542 Turbomachinery (3 semester hours)

Compressor, pump, fan selection and applied theory.

Senior or graduate standing required.
Majors only.

MECH 544 Propulsion (3 semester hours)

This course combines fundamental fluid mechanical and thermodynamic concepts to characterize the components, operation, and performance of internal combustion propulsion devices for aircraft and space vehicles. A practical approach to understanding these devices is also given, supplementing and enhancing the analytical application. The fundamentals of alternative, advanced air breathing and space propulsion concepts are also introduced.

Senior or graduate standing required.
Majors only.

MECH 545 Fundamentals of Biomedical Engineering (3 semester hours)

Introduction to human physiology and engineering applications foundational to Biomedical Engineering, including neuromuscular and aural physiology; biomechanics; prosthetics; assistive devices; brain-computer interface; stroke and rehabilitation engineering; medical devices; biomaterials; bioMEMS; microfluidics; biomedical imaging; synthetic biology; cellular and tissue engineering. Short Individual and team-based projects involve physiological simulations and literature review.

Senior or graduate standing required.
Majors only.

MECH 546 Aerodynamics (3 semester hours)

This course will cover materials relevant to external and internal aerodynamics. Students will learn how to formulate and apply appropriate aerodynamic models to predict the forces on and performance of realistic three-dimensional configurations. Flow over lifting bodies will be analyzed especially with regard to flying bodies and ground vehicles.

Senior or graduate standing required.
Majors only.

MECH 598 Special Studies (1-3 semester hours)

Senior or graduate standing required.

Majors only.

MECH 599 Independent Studies (1-3 semester hours)

Senior or graduate standing required.

Majors only.
May not be taken as a required course.

MECH 604 Engineering Mathematics (3 semester hours)

Advanced topics in applied mathematics in linear algebra and analysis. Vector spaces, linear transformations, determinants, inner product spaces, solution of simultaneous linear equations, LU factorization, solution of algebraic eigenvalue problems by QR and QZ algorithms, linear least square problem and the singular value decomposition. Vector calculus, change of coordinate transformations, Stokes theorem, introduction to calculus of variation, ordinary differential equations, and numerical methods for their solution. Fourier analysis applied to discrete signals.

Graduate standing required.

MECH 610 Metallurgical and Materials Engineering (3 semester hours)

Advanced topics in the relationship of the microstructure and processing of metallic, ceramic, and polymeric materials and their relation to the properties required in engineering design. Phase transformations in ferrous and non-ferrous materials. All topics will be discussed in relation to Additive Manufacturing.

MECH 613 Advanced Mechanics of Materials (3 semester hours)

Combined loading, curved bars, energy methods, buckling and elastic stability; inelastic and plastic deformations; and use of computational finite element analysis (FEA) software.

Graduate standing required.

MECH 620 Nanotechnology Engineering Topics (3 semester hours)

Exploration of technical topics in nanotechnology to prepare the students to better understand engineering research in nanotechnology. Topics such as nano-physics, quantum mechanics, nano-fluidics, nano-heat transfer, nano materials and tools of nanotechnology will be covered. Applications in engineering and bioengineering will be emphasized.

Graduate standing required.

MECH 623 Advanced Thermodynamics (3 semester hours)

Review of advanced topics in classical thermodynamics; topics from statistical thermodynamics including: kinetic theory of gases, distribution of molecular velocity, transport phenomena, quantum mechanics, Bose-Einstein quantum statistics, Fermi-Dirac quantum statistics, and thermodynamics properties.

Graduate standing required.

Majors only.

MECH 625 Advanced Heat Transfer (3 semester hours)

This course will cover fundamentals of conduction, convection, radiation, and basics of heat transfer numerical methods. The focus will be on theoretical and numerical analysis of 2D conduction, conservation of mass, momentum and energy in integral and differential forms; laminar and turbulent, forced, natural convection in internal and external flows, introduction to radiation, basics of numerical methods such as finite difference and finite volume, and introduction to ANSYS Fluent software.

Graduate standing required.

MECH 631 Elasticity (3 semester hours)

Analysis of stress and strain, stress tensor, Mohr's circles for stress and strain, Hooke's law and stress-strain diagrams, equations of equilibrium and compatibility, two-dimensional plane problems in elasticity, Airy stress functions, failure criteria, stresses in thin-walled cylinders and spheres, stress concentration factors, stresses in thick-walled cylinders and disks, energy methods. A brief introduction to the mathematics of vector calculus and indicial notation.

Graduate standing required.

MECH 634 Fatigue (3 semester hours)

A study of metal fatigue in engineering describing macro/micro aspects, stress life approach, cycling deformation and strain-life approach, as well as the applications of linear elastic fracture mechanics approach to fatigue crack growth.

Graduate standing required.

MECH 635 Structural Dynamics (3 semester hours)

Beam vibration; boundary conditions; modes; approximate and exact solutions; general matrix formulations and interrelationships; decoupling by transformation to modal coordinates; free and forced response; experimental approaches; modal truncation; mode acceleration method; component mode synthesis; formulation of large-order system responses (time and frequency domain); load transform matrices; introduction to finite elements.

Graduate standing required.

MECH 637 Rapid Prototyping (3 semester hours)

The course provides students with an opportunity to conceive, design, and implement a product using rapid prototyping technologies and computer-aided tools. Topics such as principles of rapid prototyping, rapid prototyping materials, reverse engineering, rapid tooling, medical applications, industry perspectives, and current research and developments will be introduced to students through laboratory works. Several rapid prototyping machines will be used for class projects.

Graduate standing required.

Majors only.

MECH 638 Random Vibrations (3 semester hours)

Classification and description of random data (stationarity, ergodicity, cross-correlation, cross spectra); stationary random process theory (one or two variables, Gaussian distribution, correlation, spectral density); linear input-output relations (single and multiple inputs, ordinary, multiple and partial coherence); statistical error in random data analysis; bias; digital signal processing (FFT, spectra, coherence, aliasing, windowing, averaging); nonstationary data; specifications for testing for structural and equipment survival.

Graduate standing required.

MECH 639 Design for Additive Manufacturing (3 semester hours)

This course provides practical guidance to design parts to gain the maximum benefit from what the additive manufacturing can offer. The course starts with discussions on part complexity, instant assemblies, part consolidation, mass customization, freedom from design, light weighting. It will discuss Design for AM guidelines for design parts, AM tooling design, polymer design, metal AM design. It will also discuss the post-processing and the future of additive manufacturing. The students will learn principles for successful engineering design for components for Additive Manufacturing through lecture and projects.

Graduate standing required.

MECH 653 New Product Design and Development (3 semester hours)

Student-conceived and/or corporate-sponsored team projects leading to a final prototype and business plan of a new product. Concept generation, team dynamics, customer needs analysis, product function, risk, decision theory, prototyping, manufacturing planning, specifications, quality function deployment, and cost analysis. Cross-listed with the considerations when developing the design and business plan. Final oral presentation in front of a panel of industry experts in engineering and business.

Graduate standing required.

Majors only.

MECH 685 Research Project (3 semester hours)

Faculty guided mechanical engineering-related research project. Formal requirements must be obtained from the Program Director.

Graduate standing in the Combined B.S./M.S. degree program and consent of the Department and project advisor required.

Majors only.

Credit/No Credit only.

MECH 686 Master's Thesis (3 semester hours)

The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered. The student must enroll in the thesis course during two semesters. Formal requirements may be obtained from the Program Director.

Graduate standing and consent of the Department and thesis advisor required.

Majors only.

Credit/No Credit only.

MECH 698 Special Studies (1-3 semester hours)

Graduate standing required.

Majors only.

MECH 699 Independent Studies (1-3 semester hours)**MECH 2100 Design and Manufacturing (3 semester hours)**

Introduction to the product design process, including design goals and requirements, and concept generation and selection. Use of computer-aided design (CAD) software for basic part modeling, assembly design, and the creation of two-dimensional (2D) manufacturing drawings. Introduction to design for manufacturing (DFM) guidelines, geometric dimensioning and tolerance (GD&T), datums, tolerance types and applications, and true position tolerancing. Laboratory exercises related to the use of manual and computer numerically controlled (CNC) manufacturing machines, including 3D printers, laser cutters, mills and lathes.

Prerequisite: ENGR 1300

MECH 2200 Mechanical Engineering Lab I (0 semester hours)

Concurrent laboratory for EECE 2220, MECH 2210, and MECH 2230. Laboratory experiments in the areas of instrumentation and measurement, material science, and thermodynamics.

MECH 2210 Materials Science (4 semester hours)

Introduction to materials, including ferrous and non-ferrous alloys, ceramics, and polymers. Introduction to basic material chemistry, bonding, crystallography, imperfections, thermodynamics and diffusion, and equilibrium phase diagrams. Laboratory exercises related to optical microscopy and the measurement of mechanical properties, including hardness, strength, and electrical resistivity.

Prerequisite: CHEM 114

Co-requisite: MECH 2200

MECH 2230 Thermodynamics (4 semester hours)

Thermodynamic properties, work and heat, the first and second laws of thermodynamics, entropy, irreversible processes, intro to exergy analysis, thermodynamic analysis of power cycles and refrigeration cycles, and gas vapor mixtures and air-conditioning. Laboratory exercises related to power and refrigeration cycles.

Prerequisites: MATH 132 and PHYS 1100

Co-requisite: MECH 2200

MECH 3100 Mechanical Engineering Lab II (0 semester hours)

Concurrent laboratory for MECH 3110, MECH 3120 and MECH 3130. Laboratory experiments in the areas of mechanics of materials, dynamics and controls, and fluid mechanics.

MECH 3110 Mechanics of Materials (4 semester hours)

Normal stress, shear stress, and material properties. Stress, strain, and deflection for axial loading, torsion, and bending. Statically indeterminate axially and torsionally loaded members. Power transmission of shafts. Column buckling. Combined loading, stress transformations, and stress concentrations. Introduction to failure theories. Use of computer-aided design (CAD) and finite element analysis (FEA) software. Laboratory exercises related to tensile properties of materials, stress concentrations, bending, and column buckling.

Prerequisite: ENGR 2001 and either EECE 2220 or EECE 2110 and 2100

Corequisite: MECH 3100

MECH 3120 Dynamics and Control I (4 semester hours)

Introduction to the dynamics and vibrations of lumped-parameter models of mechanical systems. Force-momentum formulation for systems of particles and rigid bodies in planar motion. Work-energy concepts. Free and forced vibration of single degree of freedom models of mechanical systems. Frequency response functions and system input/output analysis via transfer functions. Proportional/integral/derivative (PID) feedback control. Laboratory exercises related to rigid body motion, free response of oscillatory systems, PID feedback and control, and frequency response analysis.

Prerequisites: Either EECE 2220 or EECE 2110 and 2100; ENGR 2001; and MATH 246.

MECH 3130 Fluid Mechanics (4 semester hours)

Fluid statics, fluid dynamics, conservation of mass and momentum, differential analysis of fluid flow, pipe losses, lift and drag, turbulent and laminar flows. Laboratory exercises related to pipe flow, lift and drag, and conservation laws.

Prerequisites: MATH 246 (MATH 246 can be taken concurrently) and either EECE 2220 or EECE 2110 and 2100.

Corequisites: MECH 3100

MECH 3200 Mechanical Engineering Lab III (0 semester hours)

Concurrent laboratory for MECH 3210, MECH 3220 and MECH 3230. Laboratory experiments in the areas of machine design, dynamics and controls, and heat transfer.

MECH 3210 Machine Design (4 semester hours)

The nature of mechanical design and materials. Stress and deformation analysis, combined stresses, and stress transformation. Design for different types of loading, including static and fatigue loading. Belt and chain drives, kinematics of gears, and spur gear design. Keys, couplings, seals, and shaft design. Rolling contact bearings. Fasteners, machine frames, bolted connections and welded joints. Use of computer-aided design (CAD) and finite element analysis (FEA) software. Laboratory exercises related to gear, belt, and chain drives, fatigue loading, and connections and joints.

Prerequisite: MECH 3110.

Corequisite: MECH 3200.

MECH 3220 Dynamics and Control II (4 semester hours)

Continued analysis of dynamics and vibrations of lumped-parameter models, including with two or more degrees of freedom (DOF) and under general forcing. Control design by frequency response and by root locus. Three-dimensional (3D) rotation of rigid bodies, general motion of rigid bodies. Laboratory exercises related to 3D rotation of rigid bodies, 2DOF systems and mode shapes, general forcing, and control design by frequency response and/or root locus.

Prerequisite: MECH 3120

Corequisite: MECH 3200

MECH 3230 Heat Transfer (4 semester hours)

Fundamentals of heat transfer mechanisms, including conduction, convection, and radiation. Steady-state and transient conduction. Forced and free convection. Radiation between surfaces. Design and analysis of heat exchangers. Laboratory exercises related to conduction, convection, and heat exchangers.

Prerequisites: EECE 2220, MATH 246, and MECH 2230

Corequisites: MECH 3200

MECH 4100 Capstone Design I (3 semester hours)

First half of the year-long and team-based culminating mechanical engineering design project. System requirements, specifications, and engineering standards. Design concept generation and selection. Design analysis and modeling, design for manufacturing and assembly (DFMA), and preliminary prototyping. Use of computer-aided design (CAD) and relevant analysis software. Formal project reviews and design documentation reports.

Corequisite: MECH 4190.

University Core fulfilled: Flag: Engaged Learning.

Senior Standing required.

MECH 4190 Professional Practice (1 semester hour)

teamwork strategies, evaluation of design economics, and project budgeting. Ethics and professional responsibility.

MECH 4200 Capstone Design II (3 semester hours)

Continuation of the year-long and team-based culminating mechanical engineering design project. Design iteration and troubleshooting. Final design manufacturing, assembly, and testing. Validation of design performance through experimental testing of the system components and subsystems. Formal project reviews and design documentation reports.

MFTH 600 Art Therapy Literature and Research (2 semester hours)

This course reviews the art therapy literature and explores the integration of this modality in the current delivery of mental health services, focusing on cultural issues, marital and family theory, and recovery-oriented care. The course includes an introduction to research design, ethics, and philosophy from a variety of research paradigms and approaches to support students with art/therapy focused research and literary explorations adding the foundations of research.

MFTH 601 Art Therapy Studio: Theories and Practice (2 semester hours)

This course is designed to engage students in a hands-on tutorial of various art techniques and directives. By exploring materials, directives, and their own relationship to the art process, students will begin to recognize art's clinical properties, further increase cultural awareness, and develop creative problem-solving skills to deal with common workplace challenges.

MFTH 602 Fundamentals of Marriage/Family Systems, Law and Ethics (2 semester hours)

This course introduces systems theory as a foundation to therapeutic intervention in marital and family therapy and clinical art therapy. This groundwork and art focus provides the conceptual view for the exploration of theoretical perspectives in the family therapy literature. This course also introduces beginning concepts of law and ethics in the marital and family art therapy field and their implications on the clinical setting.

MFTH 603 Art Therapy Explr in Mexico (1 semester hour)**MFTH 604 Child Psychotherapy: Theory and Practice (2 semester hours)**

This course critically reviews child development theories, introduces models of psychotherapy and clinic art therapy with children. Additionally, discussion around issues of culture prepares the student for work with children. A major component of this course includes an in-depth community-based learning project that facilitates the student in creating, implementing, and assessing two consecutive art activities with children in a K-8 school.

MFTH 606 Adolescent Psychotherapy: Theory and Practice (2 semester hours)

Continuation of MFTH 604. Within a family context, this course coordinates normal adolescent development, psychopathology, and techniques of psychotherapy. It includes an in-depth community-based learning project that facilitates increased awareness of adolescents marginalized by poverty and incarceration. The course integrates and applies psychological and art therapy theories of adolescence in planning and facilitating creative interactions with teens.

MFTH 607 Adult Art Th/Dr/Al Trtmt (3 semester hours)

Normal adult development and clinical art therapy and psychiatric theories for dysfunctional adults are presented. Family, marital, individual, and group treatment strategies are addressed. Emphasis is placed on the differential approach between psychiatric hospital, day treatment, and out-patient settings, and includes one unit (15 hours) of theories and applications of drug and alcohol treatment.

MFTH 608 Theories of Marriage and Family Therapy (2 semester hours)

Within a conceptual framework of systems theory in marital and family treatment as well as clinical art therapy, major theories are surveyed including psychodynamic, structural, strategic, communications, experiential, and post-modern. To demonstrate these theories, videotape of live supervision of cases is utilized where possible. Verbal and nonverbal treatment approaches are explored.

Corequisite: MFTH 680.

MFTH 609 Introduction to Mental Health Services (2 semester hours)

This course introduces the network of mental health services in Los Angeles County and principles of mental health recovery-oriented care, including case management, treatment plans, referral procedures, communication and coordination skills, documentation, and the systems of care for the severely mentally ill and victims of abuse. It explores the social and psychological implications of socio-economic position; the impact of poverty, culture, sexual orientation, gender, age, language, and immigration status on the delivery of mental health services; and the consumer's recovery. Additionally, it identifies professional responsibilities, experiential treatment implications, and mandated reporting requirements and introduces consumer and family member perspectives on the experience of mental illness, treatment, and recovery.

MFTH 610 Adult Psychotherapy (2 semester hours)

Normal adult development and theories of dysfunction are presented. Family, marital, individual, and group treatment strategies are addressed exploring both verbal and nonverbal treatment interventions. Emphasis is placed on the differential approach between psychiatric hospital, day treatment, and out-patient settings.

MFTH 611 Drug, Alcohol, and Addiction Recovery Treatment (1 semester hour)

This course helps students to recognize, assess, and treat substance abuse and addiction. It respects the complexity of the subject matter's physiological, sociological, psychological, economic, political, and international facets. Students will recognize the impact of oppression, prejudice, discrimination, and privilege on access to mental health care, and develop responsive practices that include collaboration, empowerment, advocacy, and social justice action. Student will learn how to incorporate art-based interventions with substance treatment theories.

MFTH 612 Marriage and Family Psychotherapy: Issues and Applications (2 semester hours)

This course reviews various models of psychotherapy through didactic and experiential methods. It includes effective approaches to communications as well as resolution of problematic issues in the treatment process. Considerations of culture, socioeconomics, and stress are addressed and effective practice strategies are emphasized. Integrate and analyze didactic and experiential learning of art psychotherapy techniques and Facilitates inclusion of art processes as resource and support. It assists in recognizing and displaying a professional commitment to art therapist characteristics that promote therapeutic process.

MFTH 613 Assessment and Intervention of Intimate Partner Violence (2 semester hours)

This course reviews the phenomenon of domestic violence, looking at distinguishing criteria, types, prevalence, lethality, the theory and dynamics of its causes, risk factors, patterns, escalation, and cultural factors. It supports students' abilities to recognize and assess the signs and patterns of domestic violence using the art.

MFTH 615 Group Psychotherapy: Theory and Practice (2-3 semester hours)

This course reviews the theory and practice of group psychotherapy. It emphasizes the link between cultural diversity, group process and group outcomes. Particular attention is paid to the utilization of groups in work with the severely mentally ill, children and adolescents as well as mental health consumers and their family members. The course will evaluate the experience of artmaking on group development and effectiveness.

MFTH 616 Human Sexuality, Couples, and Adult Psychotherapy (2 semester hours)

This course explores human sexuality from a bio-psychosocial perspective, including the effects of physiology, genetics, environmental, individual and relationship problems on sexuality and to know how to address these problems therapeutically. The course supports the learning of appropriate interventions, art therapy techniques, and relevant referrals. This course focuses on psychotherapeutic treatment of adults in all levels of community mental health, (outpatient, inpatient), and private practice. Family, marital, individual, couples, and group treatment strategies are addressed exploring both verbal and nonverbal art therapy treatment interventions, integrating Attachment theory, Psychodynamic and systems' approaches. Emphasis will be placed on the impact of culture and context, understanding relevance of race, ethnicity, religion, sexual orientation, socio-economic class, and disability as they pertain to treatment goals and interventions. Emphasis is placed on the differential approach between psychiatric hospital, day treatment, and out-patient settings

MFTH 617 Practicum/Supervision I (3 semester hours)

The main objective of this course is supervised application of marital and family theory and psychotherapeutic techniques, including the application of art therapy, in field placement. Students will have opportunities to work with clients and consumers in the community mental health system and demonstrate a beginning understanding of systemic dynamics, applied art therapy interventions, and marital and family therapy theory applications. Practicum sites have been specifically selected so students will encounter racial, cultural, linguistic, ethnic, and socioeconomic diversity. Successful completion of this course is a prerequisite for enrollment in MFTH 618.

MFTH 618 Practicum/Supervision - Capstone II (4 semester hours)

The main objective of this course is continued supervised application of marital and family theory and psychotherapeutic techniques, including the application of art therapy, in field placement. Students will continue to have opportunities to work with clients and consumers in the community mental health system and demonstrate a developing understanding of systemic dynamics, applied art therapy interventions, and marital and family therapy theory applications. Practicum sites have been specifically selected so students will encounter racial, cultural, linguistic, ethnic, and socioeconomic diversity. Successful completion of this course is a prerequisite for enrollment in MFTH 619.

Prerequisite: MFTH 617.

MFTH 619 Practicum/Supervision III: Clinical Studies Capstone (4 semester hours)

The main objective of this course is continued supervised application of marital and family theory and psychotherapeutic techniques, including the application of art therapy, in field placement. Students will have opportunities to work with clients and consumers in the community mental health system and demonstrate a developing understanding of systemic dynamics, applied art therapy interventions, and marital and family therapy theory applications. Practicum sites have been specifically selected so students will encounter racial, cultural, linguistic, ethnic, and socioeconomic diversity.

Prerequisite: MFTH 618.

MFTH 620 Multiculturalism and Art Therapy in Mexico - Part I (1 semester hour)

An exploration of cultural issues including art-based processes in support of expanding multicultural clinical competencies. The course challenges the participants to understand and analyze the basis of their own experiences of culture, explore their encounters with other cultures and understand the complexity of the psychotherapeutic relationship in the context of culture through the concepts of biases, assumptions, and beliefs. This course is facilitated through the intercultural exchange of participants and the arts.

MFTH 621 Cultural Considerations in Marital and Family Therapy (1-3 semester hours)

Multicultural values in psychotherapy and counseling are explored. The class focuses on exploring individual experiences of cultural identity through art responses and class discussion, and a developing a skill set that integrates cultural awareness into the clinical work. Experiences of race, ethnicity, class, spirituality, sexual orientation, gender, and disability are included. The course recognizes clients' use of imagery, creativity, symbolism, and metaphor as a valuable means for communicating challenges and strengths and support clients' use of art making for promoting growth and well-being. It includes justifying the role of arts in social justice, advocacy, and conflict resolution.

Enrollment for 1 semester hour is contingent upon completion of MFTH 620 and MFTH 622; enrollment for 2 semester hours is contingent upon completion of MFTH 620.

MFTH 622 Multiculturalism and Art Therapy in Mexico - Part II (1 semester hour)

Field work in international environments facilitated virtually and in study abroad experiences. The course supports community-based practice with guided supervision amongst populations of varying ages and therapeutic need.

MFTH 627 Practicum Applications: Additional Supervised Clinical Application of MFTH/Art Therapy (1-3 semester hours)

This elective course is offered for the consideration of students who plan (or anticipate) moving out of California or who have had completed the full academic expectations of our mandatory practicum courses (MFTH 617, MFTH 618, and MFTH 619) but were unable to complete the full hourly requirements leading to Art Therapy registration/MFT license eligibility of those. Students considering taking this course should consult with the practicum director and the chair about the possibility of doing so, and hold the burden of responsibility to research on requirements in other states; the program we offer prepares for California practice and does not assume responsibility for requirements in other states.

The main objective of this elective course is to offer continued supervised application of marital and family theory and art psychotherapeutic techniques in field placement. Students will continue to have opportunities to work with clients and consumers in the community mental health system and demonstrate a developing understanding of systemic dynamics, applied art therapy interventions, and marriage and family therapy theory applications. Practicum sites have been specifically selected so students will encounter racial, cultural, linguistic, ethnic, and socioeconomic diversity.

Prerequisites: MFTH 612 and MFTH 617.

Permission of department chairperson required.

MFTH 629 Family Art Therapy in International Practice (1 semester hour)

An integrated exploration of family art therapy within the context of family therapy theory in international settings and with diverse populations. Experiential learning is facilitated through the art process.

MFTH 630 Marital and Family Therapy: Clinical Studies (2-3 semester hours)

Advanced studies in marital and family therapy including the exploration of a range of verbal and nonverbal treatment interventions and strategies from a variety of theoretical viewpoints. The class develops an understanding of the experiences of clients and family members of clients who are consumers of mental health services.

MFTH 638 Psychopathology & Psychopharmacology (2 semester hours)

This course explores psychopathology as stated in DSM 5 is reviewed. The biological, psychological, social, and cultural factors involved in etiology are discussed and explored in terms of the treatment/clinical interventions. This course includes an overview of the neuroscience and pharmacological treatment of psychiatric disorders. It helps the student acquire necessary vocabulary, knowledge, and skills for effective collaboration with the mental health treatment team.

MFTH 640 Psychological Tests & Art Therapy Assessment (2 semester hours)

This course provides advanced knowledge and training in clinical assessment and psychological testing throughout the treatment process. Students will gain knowledge of formal and informal psychological tests used for assessment. Instruments covered include intelligence tests, as well as objective, subjective, and projective psychological evaluations. Projective drawings and structured clinical interviews will be covered in detail. Multicultural considerations in testing are integrated in all discussions.

MFTH 641 Aging and Long-Term Care (2 semester hours)

This course addresses the specific treatment needs and goals of the aging client. Topics include: distinguishing "normal" aging changes in intellectual, cognitive and memory functioning from those which are a consequence of disease, introduction to the bio-psychosocial model of assessment and art therapy treatment of older adults, and issues involved when working with the elderly and their families when confronting long-term care.

MFTH 642 Trauma Theory and Treatment/ Suicide Assessment and Prevention (2 semester hours)

This course introduces key definitions and constructs related to trauma. It introduces theories and intervention models and overviews neurological sequences associated with trauma. The course encourages the develop of relevant sensory-based art therapy interventions and identify evidence-based strategies and clinically grounded approaches for the assessment and treatment of trauma.

MFTH 680 Marriage and Family Therapy Observation Telehealth and Contemporary Practice (2 semester hours)

This course builds on the foundations of MFTH 608 and explores contemporary approaches to psychotherapy and clinical art therapy with a diverse range of client populations. Included in this course is specific instruction on best practices in art therapy telehealth.

Corequisite: MFTH 608.

MFTH 689 Introduction to Research (1 semester hour)

An introduction to research design, ethics, and philosophy from a variety of research paradigms and approaches.

MFTH 690 Art Therapy Studio: Professional Ethics and Identity (2 semester hours)

Through art directives student will examine their professional identity in relation to social justice and professional laws and ethics. The course will review issues such as licensure, values, legal and ethical responsibilities, malpractice, and confidentiality relevant to marriage and family therapists and clinical art therapists.

MFTH 691 Research Methodology (3 semester hours)

An overview of research design, ethics, and philosophy from a variety of research paradigms and approaches. Critical study of the relevant literature and the development of an in-depth proposal for a research/clinical project or paper to be carried out in the following semester.

MFTH 692 Art-Based Exploration of DEI in Clinical Treatment (2 semester hours)**MFTH 696 Research/Clinical Paper (3 semester hours)**

The student carries out a research project and writes a research report under the direction of a faculty member.

Permission of instructor required.

MFTH 698 Special Studies (0-3 semester hours)

Contact Department Chairperson for details.

MFTH 699 Independent Studies (1-3 semester hours)

Contact Department Chairperson for details.

MGEM 6101 Global Environment and Business Trends (1.5 semester hours)

An overview of major forces and trends of the world: including but not limited to the economic, political, demographic, and technological forces, and trends in globalized competition and globalized cooperation in business. Of particular interest to this group of students, their deep understanding of such forces and trends should help them to spot meaningful opportunities and threats that would allow fruitful entrepreneurial pursuit.

MGEM 6102 Technology Appreciation and Intellectual Property Management (3 semester hours)

A broad scale survey of new and emerging technologies, including but not limited to, information and digital technology, material science and nanotechnology, life science and bio-technology, and space technology. To couple with their general understanding and appreciation of these business-opportunity-laden technologies, this group of students should also study different legal protections (or little or no protection) given to patents and other forms of intellectual property in the U.S., in Europe, in Asia, and in the rest of the world. Cases may be used to study how successful companies have managed their creation, protection, exploitation of intellectual property rights globally.

MGEM 6103 Common Ground in Corporate Valuation and Accounting (3 semester hours)

After a tough financial crisis that ended in a very severe economic crisis globally, it makes sense to become well versant in managing the financial assets and liabilities of a company. This includes grasping the complexity of the financial instruments which CFOs now must use in order to maximize the value of a company. Students will deepen their understanding of finance by reviewing Accounting principles, including the introduction of tools and resources to better manage financial issues in the future.

MGEM 6104 Cross-Cultural Management and Ethical Business Practice (3 semester hours)

This course focuses on the cultural and ethical aspects of management and business practice. Although EU and other regional and global treaties have reduced many structural barriers, businesses still face various cultural and ethical challenges in different parts of the world. Among other things, this course will expose students to several traditional values systems, such as Christianity, Buddhism, and Confucianism; certain contemporary value systems, such as social welfare system and environmentalism; and social roles of various institutions, such as governments, churches, families, and businesses. This is a foundation course on cross-cultural and ethical issues. A number of functional area courses will expand from this base to address cross-cultural and ethical issues in respective business functional areas.

MGEM 6105 Consulting Projects (1.5 semester hours)

In this course you will work closely with faculty at IQS as well as with a European company to complete a consulting project, focused on a particular problem identified with the company. This will also include structured time with the faculty sponsor to review the company assignments and with the company, either at their location, or at IQS, working on projects for the company. Successful completion of this course is required by IQS in order to complete the Master in Entrepreneurial Management.

MGEM 6201 Operations Management and Supply Chain Management with a Global Perspective (3 semester hours)

Globalized production and outsourcing have become a norm in business. Assuming these students have already been familiar with general principles and methodologies of operational efficiency and optimization, this course will focus on the challenges associated with country borders. Among other things, this course will examine import/export control, customs inspection and delays, licensing, certification, environmental protection rules, and a whole host of other complications. These factors vary from one country to another and complicates businesses' decision making in their operations management and supply chain management.

MGEM 6202 Special Topics in Global Entrepreneurship and Management (1.5 semester hours)

This course is designed to inspire and stimulate the entrepreneurial spirit within individuals who are passionate about taking a business idea to market. Business plan is a crucial first step towards the realization of the business venture because a good business plan assists would-be-entrepreneurs to evaluate the marketability and viability of their business ideas and concepts; assists bankers and investors make funding decision based on evaluation of the business plan; and assists business owners assess how well their internal capabilities respond to the demand of the external business environment.

MGEM 6203 Corporate Finance with a Global Perspective (3 semester hours)

This course will focus on the challenges associated with multiple macro-economic and financial parameters. With multiple currencies and different economic outlooks, businesses still have to develop a series of future cash flow estimates to do capital budgeting. With different costs of capital in different countries, and different risk levels associated with various financial instruments, decision on a global business's capital structure becomes a lot more complex than a pure domestic business. This course will cover all of these aspects of corporate finance.

MGEM 6204 Innovation and Technology Management (3 semester hours)

The course aims to equip potential entrepreneurs with an understanding of the main issues in the management of innovation and technology. It also discusses how technological innovation drives the long-term competitiveness of global organizations. Innovation management, and particularly technological innovation, is inherently uncertain and risky, and most new technologies fail to be transformed into successful products and services. Therefore, the focus of the course is to discuss how firms better manage technology and innovation. Furthermore, the other focus is on critically evaluating the factors for technological innovation, and then developing strategies for managing technological innovations in the competitive global environment.

MGEM 6205 Entry Barriers and Strategic Alliance (1.5 semester hours)

Not all countries and markets are equally accessible for all businesses. Some countries are more protective than others, some industries are more protected than other industries in certain countries, and some of these protections are more accepted than others under certain bi-lateral or multi-lateral agreements and treaties. Such protections may be in the form of outright ban, quotas, cumbersome application and review processes, local partner requirements, local content requirements, or any other discriminative provisions. This course will examine all sorts of entry barriers in select countries and regions. To counter such barriers, this course will introduce various forms of strategic alliance and partnerships, including but not limited to joint venture, licensing, franchising, management contract, and reciprocal distribution agreement.

MGEM 6301 Cross-Cultural Marketing and Integrated Marketing Communication (3 semester hours)

This course focuses on applying marketing principles to customer segments in cultural environments other than your own. Studying their needs and preferences, adjusting product attributes to meet their tastes, introducing services that fit their expectations, and other similar customized treatments are effective steps in cross-cultural marketing. Of particular importance, designing and executing a customized and integrated marketing communication program in this context is crucial. As a business expands internationally or penetrates another ethnic consumer segment, promotional messages should be carefully examined and perhaps re-crafted, and communication media be carefully selected to effectively reach the target audience.

MGEM 6302 Business Analytics in the Global Context (3 semester hours)

This course introduces concepts, tools, methods, and applications of modeling and strategic decision-making in business. Students will develop a working knowledge of quantitative data-driven decision-making approaches. This course is aimed at providing students, as future entrepreneurs and managers, with the set of tools and skills needed to make intelligent and critical use of data in systematic decision making.

MGEM 6303 Social Entrepreneurship (1.5 semester hours)

Social Entrepreneurship is an emerging and rapidly changing field dedicated to the starting and growing social mission-driven for-profit and nonprofit ventures - that is, organizations that strive to advance social change through innovative solutions. Social Entrepreneurship is more than a set of tools and techniques for starting and growing a social venture. It is a mindset, a way of looking at things that is opportunity focused and creative. It is about passion - doing what you love. It is about creating wealth in all its forms: economic value, social innovation and sustainability, and making a difference in the communities that we serve. This course introduces students to the field of social entrepreneurship- the process of using an entrepreneurial mindset and business skills to create innovative approaches to addressing societal problems. Various concepts and examples of social entrepreneurship (both not-for-profit and for-profit models) are examined through theoretical discussion and case studies.

MGEM 6304 Venture Capital, Corporate Entrepreneurship, and Micro Financing (3 semester hours)

This course covers a wide range of funding options that support innovative business endeavors. Besides the venture capital model, which is well known for supporting technology innovations in Silicon Valley, this course also examines internal funding sources that support in-house innovation and entrepreneurial endeavors, and the micro-finance model that support entrepreneurial initiatives in rural areas and third world countries. Guests representing both the supplier and the user of the fund in each of these funding models will be invited to give their views.

MGEM 6305 U.S. Consulting (1.5 semester hours)

In this course you will work closely with faculty at LMU as well as with a company located in in Silicon Beach and/or another area, to complete a consulting project, focused on a particular problem identified with the company. This will also include structured time with the faculty sponsor to review the company assignment and with the company, either at their location, or at LMU, working on projects for the company.

MGMT 2600 Managing Yourself (4 semester hours)

This course provides an opportunity to assess, develop, and apply key skills in managing oneself. An emphasis will be upon applied, experiential learning based on the dimensions of the Global Leadership Executive Inventory (GLEI), particularly with respect to visioning, tenacity, emotional intelligence, global mindset, life-balance, and resilience to stress. In this course, students will develop a comprehensive career action plan, design a curricular and extracurricular map for the duration of their college career, and develop a relationship with a mentor.

MGMT 2698 Special Studies (1-4 semester hours)**MGMT 3600 Managing Others (4 semester hours)**

This course will further develop management students' competencies to include leading others. Consistent with our College of Business Administration mission to advance knowledge and develop business leaders with moral courage and creative confidence to be a force for good in the global community, students will identify companies that are contributing toward meeting the goals identified in the United Nations Sustainable Development Goals. We will explore the role of effective management in bringing together the efforts, insight, and talent of multiple parties to meet ambitious goals.

Prerequisite: MGMT 2600.

MGMT 3686 Learning and Development (4 semester hours)

Corporations in the United States spend more money annually on training than do all public school systems in the country. As the gap widens between the knowledge, skills, and abilities of what entry-level employees are required to know and do and what they actually know and do, training specialists and consultants become increasingly more valuable. However, training is no longer a function of just a Human Resources professional. Today, many managers and professionals are being asked to be responsible for the training and development of their employees. In addition, employees are expected to manage their own careers and personal brands in an increasingly complex work environment. This course provides students tools to meet these organizational and individual challenges. Students will work with a client organization to collect data, design a workshop, and perform an evaluation. Skills in curriculum design, data analysis, and communication will be enhanced.

Prerequisite: BCOR 3610.

MGMT 3690 Environmental Strategy (4 semester hours)

The industrial revolution heralded the beginning of the Anthropocene Era—a new era dominated and shaped by humans. During this era, humans have expanded their geographic reach, their lifespans, and their intellectual and creative abilities far beyond what was previously imaginable. However, the cost of this expansion to the rest of the community of life on Earth—and, ultimately, humans, themselves—has been devastating. This course is designed to provide an in-depth examination of the problems currently facing the natural environment, how human industrial activity contributes to those problems, and how both private organizations (firms and NGOs) and governments can work to solve those problems. In the first part of the course, we will frame the issues through the lens of environmental philosophy and economics. Then we will move to specific environmental problems, examining their causes, and effects. Finally, we will turn to potential solutions from science, policy, and industry perspectives. For each of these issues, we will discuss potential impacts on and responses from private organizations, including the current state of scholarly and practitioner understanding of how to capitalize on solving environmental problems.

MGMT 3698 Special Studies (1-4 semester hours)**MGMT 4600 Local Global Mindset (4 semester hours)**

This capstone course has both a global focus and an Applied Management Project (AMP). For this project, we will learn about the distinct role of management in global business. Global leaders are distinguished from their local counterparts based upon their global work experience, global business knowledge, cross-cultural competencies, and global mindset.

Prerequisites: BCOR 3610, MGMT 2600, and MGMT 3600.

MGMT 4608 Faith and Business (4 semester hours)

This course considers the connections between faith, Catholic social teaching, and business as contextualized interculturality in the United States. The class will explore contemporary socio-economic challenges and opportunities existing with the Los Angeles, U.S., and global environments. Students will have the opportunity to meet with leaders in business and government to help understand how faith and culture contextualize business environments.

University Core fulfilled: Flag: Interdisciplinary Connections.

MGMT 4610 The Leadership Challenge (4 semester hours)

This course focuses on the role of leadership and leaders in organizations. Main topics include sources and uses of power, leadership traits, leadership styles and behaviors, contingency theories, team leadership, leadership development. Lectures, discussions, case studies, videos, and experiential exercises will be part of the course.

Prerequisite: BCOR 3610.

MGMT 4620 Employee Rights and Employer Responsibilities (4 semester hours)

This course provides a broad overview of federal and state employment laws, administrative agency regulations, and judicial decisions that govern the management of human resources. It provides a framework for the analysis and implementation of procedures that impact the employer-employee relationship in the workplace. The course is highly interactive and surveys key legal terms and concepts critical for the employee to protect his/her rights and to understand the employer's legal/ethical responsibilities. The course will also explore the regulations and legal/ethical duties of human resources professionals and allow for active interaction with a variety of human resource professionals. Key topics covered will include the rules for proper advertising, screening, interviewing, and hiring of applicants; an analysis of the procedures that shape the training, promotion, discipline, and termination of employees; grievance handling, anti-discrimination laws, employee rights, health and safety regulations, leaves of absence, harassment prevention, regulatory compliance, and administrative adjudication of claims. See also BLAW 4220.

Prerequisite: BCOR 2210.

MGMT 4630 International Management (4 semester hours)

Different economic, political, and socio-cultural environments around the world challenge managers with opportunities and risks. The goal of this course is to help students identify and evaluate the opportunities and challenges facing managers operating in international business contexts and come up with solutions to the identified problems. Specifically, the course will familiarize students with the major concepts and paradigms in international management, enhance an awareness of the impact of internationalization on firms, develop the ability to analyze MNC's strategies and behaviors, and suggest solutions to the problems identified in managing organizations and people across borders. (See INBA 4830.)

Prerequisites: BCOR 3610 and BCOR 3860.

MGMT 4635 Managing Nonprofit Organizations (4 semester hours)

This course explores ongoing issues, challenges, trends, and successful management and leadership practices for nonprofit organizations. Students examine their future roles, in careers and voluntary activities, in social transformation and sustainability, as well as critical change agents in partnership with for-profit and government organizations.

Open to all majors of junior or senior standing.
Permission of instructor required.

MGMT 4640 Cross-Cultural Leadership (4 semester hours)

This course examines what constitutes "effective" leadership across cultures, including how to be an inclusive leader and how to lead culturally diverse groups. Students gain insights about leadership, in particular cultures based on their research and/or personal experiences. The goal is to prepare students for leadership assignments outside their native countries and in cross-cultural teams.

Prerequisite: BCOR 3610.
Juniors and seniors only.

MGMT 4660 International Entrepreneurship (4 semester hours)

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. The course includes a feasibility study of an international small business venture start up, case study, and experiential learning.

(See ENTR 4360 and INBA 4860.)

Prerequisites: BCOR 3860.

MGMT 4665 Strategic Staffing and Professional Recruitment (4 semester hours)

Students explore the inner workings of staffing, both as a professional career path and as a strategic management tool for today's organizations. This course also features an applied emphasis, including relevant work experience and professional networking, in preparing students for successful transition into a career in staffing and professional recruiting services.

Prerequisite: BCOR 3610 or permission of instructor.

MGMT 4695 Global Sustainability: Challenges and Prospects in East Asia (4 semester hours)

This course explores cross-disciplinary theory and practice of sustainability within a global context, and with an emphasis on East Asia. This course includes a two-week tour abroad to enrich student learning through direct international experience.

Open to all majors of junior or senior standing.
Permission of instructor required.

MGMT 4698 Special Studies (1-4 semester hours)**MGMT 4699 Independent Studies (1-4 semester hours)**

Permission of the Associate Dean required.

MRKT 2598 Special Studies (1-4 semester hours)**MRKT 3512 Customer Insights (4 semester hours)**

This course is designed to enable students to develop customer insights through learning about customer behavior and conducting marketing research. It will bring together two large areas of marketing, drawing from bodies of knowledge in customer behavior and marketing research, encompassing theory and method. The customer journey from awareness and learning to decision-making, consumption and disposal will be covered. Individual, household, and organizational customer behavior will be covered in the course. Emphasis will be placed on gaining insights about customers and marketplace through incorporation of marketing research methods inclusive of, but not limited to, qualitative and quantitative methods in conducting survey design, causal effects and relationship testing. Developing insights about consumers globally within the context of global environments will also be integrated into the course.

Prerequisite: BCOR 3510.

This is a Required Foundation Course for the A-LIST, COIN, and MA Pathways.

MRKT 3513 Rethinking the Marketplace (4 semester hours)

Using real-world, project-based, experiential learning, this course presents an in-depth interdisciplinary exploration of diverse consumer markets and societal transformation in the marketplace. Emphasis is placed on consumer insights, brand strategy, and consumer experience. Content will include a comparative examination and analysis of the consumer experience across inter-group differences, including ethnicity, age, gender, sexual orientation, religion, and culture. Importantly, the course will explore the many differences and subgroups that exist within each larger group, the hazards of conceptualizing groups as homogeneous entities, and the ways in which these groups interface with society via the marketplace.

Prerequisites: BCOR 3510 and MRKT 3512.

This is the A-LIST Pathway Foundation course.

MRKT 3516 Marketing, Customer Value, and Profitability (4 semester hours)

This course will introduce students to a uniquely strategic way of thinking in which the interests of Buyers and Sellers can be aligned through the careful implementation of marketing techniques and/or public policy. Such an alignment assures that all parties derive significant net positive benefits from the exchange process and ensures the continuing success of the firm. The course explores why and how long-term company profitability is critically dependent upon this ethical creation and transfer of value. Adopting this perspective of value creation requires that traditional marketing functions and concepts such as pricing, product development, distribution, brand management, and sales are not merely seen as mechanisms for advancing company profitability, but are, more importantly, powerful tools capable of expanding customer benefits while preserving societal well-being. This perspective begins with an investigation of customer thinking and value assessment, and ends with a problem-focused analysis of how these needs can be most effectively satisfied through the marketing process.

Prerequisites: BCOR 3510 and MRKT 3512 (can be taken concurrently)

This is the COIN Pathway Foundation course.

MRKT 3521 The New World of Branding and Advertising (4 semester hours)

This course will immerse students in the fast-changing world of the advertising and branding industry through on-campus and off-campus exposure to industry professionals and real-life branding and advertising challenges. Throughout the course, students will work with and learn from professionals in the thriving creative and tech community. Course emphasis is on developing students' skills in creativity, collaboration, critical thinking, and communication. Content covered in the sessions includes advertising agency structure, the creative process, brand planning, media planning and strategy, the user experience, online and social media, presentation skills, and content creation.

Prerequisite: BCOR 3510 and MRKT 3512.

This is the M-School Pathway Foundation course.

MRKT 3531 Brand Planning and Strategy (4 semester hours)

Think about your favorite companies and their brands. What is it about them that makes them connect with you? That's what this course is all about - learning about the brand planning and strategy process. This course offers a comprehensive look at where strategic planning takes place within the overall advertising process. In doing so, it will focus on the 4Cs of strategic planning: the Company, Competition, Consumers, and (product or service) Category. It will also examine ways to develop effective campaign strategy, including knowing the product inside and out, knowing your brand's DNA, understanding your target audience, and generating insights. In addition, the course covers important branding and consumer behavior fundamentals central to the success of account strategy.

Prerequisite: BCOR 3510.

This is an M-School Pathway Elective course.

MRKT 3532 Personal Brand Management (1 semester hour)

Who are you? What makes you tick? What are your values? What do you stand for? What gets you out of bed in the morning? What is your gift to the world? What makes you happy? And then, how will you bring you—the best you—to the job market? How will you stand out from the herd of a thousand me too resumes, LinkedIn profiles, and job candidates all telling the same me too stories and making the same me too mistakes? Freaked out? Don't be, because over the course of three weekends, this 1-semester-hour workshop will utilize and apply the latest brand management principles and approaches to help guide, understand, articulate, and execute your own personal brand: Brand You.

Prerequisite: BCOR 3510.

This is an M-School Pathway Elective course.

MRKT 3533 Production Tools and Techniques (4 semester hours)

Production Tools and Techniques is inspired by the art and science of storytelling through the process of creating compelling content through video (including storyboarding and shot planning, director's treatments, post-production editing, and sound) as well as visual and graphics design (the basics of photography, typography, color and space). In this course we emphasize three tenets of producing compelling digital-first content: content that is cheap (created without big budgets), fast (creating well-planned content quickly and efficiently) and good (creating quality content that is interesting and engaging and that tells a story).

The course provides an immersive experience in creating amazing content and how it fits within marketing and brand strategy. Through compelling content and narrative, we become interested and engaged and we more willingly process the message and the content contained within the brand's story and narrative.

Prerequisite: BCOR 3510.

This is an M-School Pathways Elective course.

MRKT 3534 Conceptual Brand Thinking (4 semester hours)

Creativity is a secret weapon when it comes to solving business problems. One study found that a euro invested in a highly creative ad campaign had nearly double the sales impact of a euro spent on a non-creative campaign. In this course you'll explore your creative potential and find your voice. From concept to content, you'll craft conceptual ideas, explore a variety of media types, learn to solve real challenges, pitch ideas to real clients, and discover how collaboration with teammates will get you to better ideas. Creative work will be added to an online portfolio of work.

Prerequisite: BCOR 3510.

This is an M-School Pathway Elective course.

MRKT 3570 Marketing Law (4 semester hours)

The purpose of this course is to acquaint students with fundamental concepts, principles, and rules of marketing law that concern marketers and consumers in day-to-day activities, in private business relationships, and in their relationship with the government. The course will focus on various legal constraints, problems and ramifications which should be recognized and addressed by marketers when making pricing, product, promotion, and distribution decisions.

(See BLAW 3270.)

Prerequisites: BCOR 2210 and BCOR 3510.

This is a COIN Pathway Elective course and an MA Pathway Elective course and an A-LIST Pathway Elective course.

MRKT 3597 Internship (1 semester hour)

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

MRKT 3598 Special Studies (1-4 semester hours)**MRKT 3599 Independent Studies (1-4 semester hours)****MRKT 4510 Advertising and Promotion Management (4 semester hours)**

This course is designed to introduce students to the field of advertising and promotion in an applied fashion. The emphasis in this course will be on the role of advertising and other promotional mix elements in the integrated marketing communications program (IMC) of an organization. The development of an integrated marketing communications program requires an understanding of the overall marketing process, how companies organize for advertising and other promotional functions, customer behavior, communications theory, and how to set goals, objectives, and budgets. Attention will be given to the various IMC tools used in contemporary marketing including advertising, direct marketing, digital and interactive marketing, social media, sales promotion, publicity and public relations, and personal selling. Students will examine the process by which integrated marketing communications programs are planned, developed, and executed as well as the various factors and considerations that influence this process. Students will also examine the environment in which advertising and promotion takes place and the various regulatory, social, and economic factors that affect an organization's IMC program.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 4517 or MRKT 4527

This is an MA Pathway Elective course.

MRKT 4515 Managing Retail and Service Businesses (4 semester hours)

The U.S. economy is now dominated by the retail and services sectors. Moreover, understanding and strategically managing customer service is now becoming a critical determinant of business success or failure. Yet, most business school courses have traditionally focused on the manufacturing sector of the economy. This focuses on the marketing of service or retail businesses involving methods, strategies, and analytical tools that are distinct from those used in other areas of business. At the same time, the successful marketing of services and the delivery of excellent service are critical elements in the achievement of customer satisfaction and thus the long-term success for virtually all organizations. The purpose of this course is to provide students with an understanding and appreciation of retail and services marketing as separate and distinct areas of marketing thought and practice, their critical roles in contemporary competitive markets, and the tools and strategies necessary for managing successful enterprises in these areas. This course is designed for students who anticipate working in retail or service businesses, or who wish to better understand how these forms of businesses are managed. The course will discuss an overarching philosophy that stresses the importance of the integration of the marketing, analytics, human resources, and operations functions within the service and retail systems.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4517 Customer Analytics (4 semester hours)

The course focuses on creating and estimating analytical models for acquiring customer in-sights. Students will understand how to uncover customer preferences using linear regression models, logistic regression models, and conditional logit models. Students will identify segments using agglomerative and k-means clustering procedures and finite mixture models, and find differences among segments using multiple correspondence analysis, t tests, and analysis of variance models. Students will learn to communicate results, strategic in-sights, and recommendations.

Prerequisites: BCOR 3510 and MRKT 3512.

MRKT 4518 Machine Learning for Marketing Practitioners (4 semester hours)

Machine learning applications (ML) are increasingly popular among marketing professionals as sophisticated tools for generating accurate insights. It will be beneficial for marketing practitioners to independently perform analyses using ML algorithms, without requiring coding proficiency. This course uses XLSTAT—a menu-driven Excel add-on that allows students to explore, visualize, and model data with Microsoft Excel. Students will learn to implement a number of ML algorithms: clustering procedures, logistic regression models, Naïve Bayse classifiers, classification and regression decision trees and random forests, support vector machines, and the k-nearest neighbors (k-NN) technique. Students will evaluate model performance and will be able to identify the most effective algorithm(s) for solving a wide range of marketing problems.

MRKT 4521 Adaptive Media and Analytics (4 semester hours)

Because of the rapid growth and influence of advertising technology and online/social media, to remain relevant, brands must create, monitor, and adjust their message and media not by the month but by the day, by the hour, even the fraction of a second. To effectively reach and engage individuals, brands need to be agile and adapt in real time to how consumers react and respond to advertising and promotional content. This course will provide students the perspectives and tools to develop paid search (search engine optimization, or SEO) and both paid and organic social media strategies that are effective, cost efficient, adaptive, and measurable. Through this course, students will learn how analytics (monitoring, measuring, and interpreting online and social data) helps companies, brands, and organizations to better evaluate advertising and marketing performance.

Prerequisite: BCOR 3510.

This is an M-School Pathway Elective course.

MRKT 4523 Historical Survey of Business and Capitalism in Society (4 semester hours)

The purpose of this course is to immerse students into the broad expanse of world and United States history from the perspective of business, commerce, and what some people refer to as "capitalism." In this immersion process, we will discuss the history and practice of business within the context of the specific policy and the social, cultural, economic, and religious environments which cultivated these outcomes. The span of this exploration will cover in excess of 2,000 years, and will include the history of barter, exchange, currency, slavery, the emergence of global trade, and various forms of government policy and structure (both past and present) related to economic theory and practice.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is an A-LIST Pathway Elective course, a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4524 Sustainable Marketing Enterprises (4 semester hours)

Understanding challenges and designing solutions at the intersection of sustainable marketing/business practices, societal welfare, and ecological systems; topics covered including sustainability in the areas of consumption and consumer behavior, product design, marketing research, value chains, and communications; project to understand needs and design product solutions and develop a marketing/business plan for organizations that captures economic, environmental, and social sustainability.

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is an A-LIST Pathway Elective Course.

MRKT 4525 Competitive Strategy (4 semester hours)

This course provides an in-depth analysis of competition and competitive strategy in the context of business from both theoretical and applied perspectives. Whereas numerous business classes discuss competitive environments, this course focuses exclusively on theories and strategies that can be used to achieve and enhance competitive advantage in the business marketplace. Competitive models, strategic metaphors, and concepts from game theory are explored in detail. Most importantly, the notions of competitive evolution and interdependence are emphasized and extensively explored. These concepts are then illustrated as they are commonly applied in the business world to enhance an enterprise's market position. Additionally, the great dangers of applying "cookbook strategies" or off-the-shelf solutions to competitive situations are explained and illustrated.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527.

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4527 Customer Relationship Management Analytics (4 semester hours)

Customer relationship management (CRM) is an emerging business strategy paradigm that focuses on the systematic development of ongoing, collaborative customer relationships as a key source of sustainable competitive advantage. CRM represents a fundamental change in approach from traditional marketing; the goals shift from market share to share of customer. Operating under the assumption that competitive advantage is often gained through building customer equity, this course introduces the theory and practical implementation of customer relationship management strategies using marketing databases. Topics include: fundamentals of CRM strategy, customer profiling, measuring customer life-time value, customer profitability analysis, customer loyalty programs, and CRM technology overview.

Prerequisites: BCOR 3510 and MRKT 3512.

This is an MA Pathway Required course and a COIN Pathway Elective course.

MRKT 4531 Creative Brand Management (4 semester hours)

Creative brand management lies at the intersection of three areas: 1) creative and innovative problem solving, 2) deep insights with respect to culture, trends, and technology, and 3) developing and managing brands that have deep conviction (e.g., BMW), confidence (e.g., Apple), and great founder DNA that are purpose-driven (e.g., TOMS). In this course, students will develop a tolerance and ability to thrive in the face of ambiguity; learn to survive and thrive in times of change; learn to leverage timeless approaches to creatively managing brands and solving problems; develop foundational tools to build and grow relevant, purpose-driving brands; and cultivate their own personal brands.

Prerequisite: BCOR 3510.

This is an M-School Pathway Capstone course.

MRKT 4532 Advertising Account Management (1 semester hour)

The transition from college to a career in advertising can be a difficult adjustment for many students. Even with internship experience, the expectations of how to work and thrive in a professional environment aren't usually clear. This course is designed to provide a real-world and real-time look at the world of advertising and account management roles (for many agencies account management is the widest point of entry), and help give students a better understanding of what to expect, and what is expected of them as account managers. The course materials draw on recognized best practices in the industry along with the personal experience of the instructors, who have spent their careers at some of the world's best advertising agencies. Students will learn not only what it means to be a professional but also the fundamentals on how to survive and thrive during their first year as an account manager.

Prerequisite: BCOR 3510.

This is an M-School Pathway Elective course.

MRKT 4533 Psychology of Health and Marketing (4 semester hours)

The purpose of this course is to provide students with a solid foundation for critical thinking and research on health psychology and marketing and business in general. This course will emphasize emotional/affective responses to health and nutrition promotion, information-processing of nutrition information and health advertising claims, attitudes and persuasion aspects of health promotions, along with insights into the influences of social marketing and new media on consumer health decisions.

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is an A-LIST Pathway Elective, a COIN Pathway Elective, and an MA Pathway Elective course.

MRKT 4534 Bottom-up Marketing Innovation (4 semester hours)

Using a bottom-up approach to developing marketing innovations; uses extreme resource constrained contexts, i.e., subsistence marketplaces, to learn about bottom-up immersion, emersion, design, innovation, and enterprise for any context; semester-long project with business involves understanding challenges, conducting virtual international field research, designing product solutions, and developing marketing/business plans.

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is an A-LIST Pathway Elective course, a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4535 Public Policy and Marketing (4 semester hours)

This course is designed to explore the interaction between marketing strategies/processes and governmental policies designed to manage the economy and promote public and consumer welfare. Topics covered will include the roles of various governmental agencies (such as the FDA, the CPSC, and the EPA) and the roles of private actions such as boycotts and consumer activism in influencing business decisions and practices. The course will often take an historical approach, examining the advancement of U.S. public policy toward business as societal values and economic conditions have evolved in this country. Specific topics addressed include consumer rights and protection, environmental sustainability, vulnerable consumers, regulatory failures and regulatory capture, trade-offs among various stakeholders, ethical dilemmas, and the marketing of potentially harmful or controversial products such as firearms, tobacco, and alcohol.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is an A-LIST Pathway Elective, a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4536 Professional Selling (4 semester hours)

An examination of the sales function, encompassing the broad range of methods that sales professionals may employ to build marketing relationships. Steps in the selling process will be explored, including techniques for engaging customers, identifying needs, handling objections, effectively communicating, persuasion, and negotiation. Sales management tools for developing and maintaining client relationships and managing the sales process in order to achieve the organization's goals will be emphasized. A particular focus will be placed on the role of technology in contemporary sales activities.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4537 Visual Analytics with Tableau (4 semester hours)

You will learn visual best practices for identifying patterns and trends in data, to generate customer insights and translate insights into actionable strategies. This course is designed for students with little or no experience with Tableau. You will understand how to analyze different types of data from multiple perspectives using a variety of chart types in Tableau. You will be able to interactively link charts to create informative dashboards for gaining more comprehensive insight into the data. Special attention will be dedicated to communications skills in sharing insights and storytelling, so that viewers can easily understand and use the information.

MRKT 4538 Full Funnel Marketing (4 semester hours)

Today's marketing ecosystem is incredibly complex and dynamic. Brands that understand the importance of understanding how to deliver the right message to the right person at the right time throughout the marketing funnel, rather than trying to reach a big audience with the same big message, is the equivalent of chasing squirrels versus trying to bag the big elephant. Sometimes it's better to chase the squirrels.

Platforms like Instagram now enable marketers to reach consumers with content at each phase of the marketing funnel and customer journey, including the awareness, consideration and activation/purchase stages. In this course, we will seek to better understand the modern customer journey and purchase funnel and the creative content that works best at each stage. We'll examine different approaches to creating content to build awareness, generating interest and activating customer response as we learn how to deliver the right message to the right person at the right time.

Prerequisite: BCOR 3510.

MRKT 4543 Brands, Celebrities, and the Arts (4 semester hours)

The purpose of this course is to examine the status of modern consumer culture and specifically the influence of brands, celebrities, and the arts on consumer behavior and marketing strategy. In this course, specific aspects of consumer culture will be explored and analyzed from the perspectives of psychology, sociology, anthropology, and economics. In addition, the roles of marketing and advertising in creating and shaping this emerging consumer culture defined by brands, art, and celebrity will be analyzed.

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 4517 or MRKT 4527.

This is an A-LIST Pathway Elective course and an MA Pathway Elective course.

MRKT 4545 New Product Development (4 semester hours)

The development of new products represents one of the most promising avenues by which firms can maintain and expand their market position in today's dynamic markets. The course provides a practical introduction to the process of designing and marketing new products covering the major phases of product development and launch. Critical steps in the new product development process will be discussed in detail, including: opportunity identification and analysis, concept development and testing, product design and pre-market testing and forecasting, and the management of the product launch. The focus of this class is upon the marketing function. Thus, the class will concentrate on market measurement, the use of that information to develop the benefit targets for the new product, and the ultimate development of marketing mixes (product, price, place, promotion) that will improve the chances for success. The class will provide techniques that combine the marketing function with the functions of R&D, design engineering, and manufacturing. At the conclusion of this course, students will be able to use conjoint analysis in identifying customers' preferences, designing new products, and performing market simulations. The course will be important to students who aim to work directly in brand or product management as well as those whose interests are in general management and consulting.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4546 Brand Management (4 semester hours)

Increasingly, brands represent some of the most valuable assets of businesses. In many cases, brand value dominated the appraisal of businesses by Wall Street. Further, while many business processes and strategies can often be quickly duplicated by rivals, brand value generally takes years to cultivate and is typically resistant to appropriation. As a result, product differentiation through branding represents one of the strongest forms of competitive leverage. This course is designed to blend the theory and strategy of branding in such a way as to provide insights into concepts and strategies for creating, developing, and managing brand value. Branding will be examined as it applies to goods, services, organizations, regions, nations, and ideas and individuals. Aspects of assessing brand value will also be covered.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595.

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4547 Strategic Marketing Decision Making (4 semester hours)

The Strategic Marketing Decision Making course deals with concepts, tools, methods, and applications of modeling and decision-making to address important marketing issues such as pricing, segmentation, positioning, forecasting, new product design and development, sales force, and promotion planning. This capstone course is aimed at providing students, as future marketers and managers, with the set of tools and skills needed to make intelligent and critical use of marketing data. It is also aimed at providing the background needed to begin employment in a marketing analytics position in a company, consulting firm, or research supplier.

Prerequisites: BCOR 3510, MRKT 3512, MRKT 4517, and MRKT 4527. This is the MA Pathway Capstone course.

MRKT 4553 Non-Profit Marketing (2 semester hours)

The purpose of this course is to explore the marketing function for non-profit organizations as compared to for-profit organizations. Students will explore, as in the for-profit world, how non-profit marketing includes advertising, promotion, public relations, and customer relationship management. This course examines how non-profits use marketing to publicize their mission and to generate contributions (of time and money). The course also discusses marketing planning in the non-profit organization.

After completing this course, students should be able to define what marketing is within the non-profit environment, explain the service-intensive nature of non-profit program activities, explain how the marketing mix is expanded for service products (the 3Ps of Services Marketing), discuss the role of ethics in non-profit marketing, describe the importance of and explain the process of non-profit marketing plan, describe how target markets can be identified for donors, and explain how new service products are developed by non-profits.

Prerequisites: BCOR 3510 and MRKT 3513. This is an A-LIST Pathway Elective course.

MRKT 4555 Business-to-Business Marketing (4 semester hours)

In the business market, the customers are organizations (e.g., businesses, governments, and institutions), and these customers represent a huge market opportunity. While we think of companies like Procter & Gamble, Sony, or Ford as sellers, they are also organizational buyers that annually purchase enormous quantities of raw materials and manufactured component parts; they purchase supplies and business services regularly to support operations, and they make large investments in building, equipment, and information technology. It's important to know that building and maintaining a close relationship with an organizational buyer require careful attention to details, meeting promises, creativity, and swiftly responding to changing demands.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4556 Supply Chain Management and Logistics (4 semester hours)

This course takes a look at the front-end functions of marketing planning, logistical planning, business relationships, networking, and the marketing benefits of business collaboration inherent in the dynamic channels of distribution used in a global business environment.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4561 Managing User Experience (4 semester hours)

This course will familiarize students with the general principles of user experience (UX) that are at the heart of any effective design and business. Students will be introduced to areas of human performance, cognition, perception, ergonomics, memory, motivation and behavior. Students will apply these human performance concepts to the design and evaluation of products, services, and systems, with special emphasis on the applicability to management, human resources, marketing, and entrepreneurship. Reading assignments, in-class and take-home projects, plus a field trip to Google to tackle an actual business problem, will expose students to a variety of UX concepts and applied examples. Two group projects and four written reports are required: these allow students to apply the principles and concepts they have learned during the course.

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is a COIN Pathway Elective course and a MA Pathway Elective course.

MRKT 4563 New Perspectives for Understanding Markets (4 semester hours)

Due to the increasing individuality and diversity in consumer markets, traditional strategies for categorizing consumers into broad market segments (using classifiers such as demographic, psychographic, or geographic characteristics) are now proving ineffective. Whereas many product or advertising strategies now seek to appeal to consumers' desire to craft a unique personal identity, marketers often undermine these goals by using clumsy or inept group stereotypes in their segmentation and targeting efforts. This class is designed to help students reinvent the market segmentation, targeting, and positioning processes needed to address the rich diversity of modern consumer markets and avoid potentially offensive blunders. Quantitative methodologies such as multidimensional scaling and conjoint analysis will be introduced and discussed.

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is an A-LIST Pathway Elective course, a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4565 The Psychology of Selling and Consuming (4 semester hours)

As a field of social science, psychology embodies a diverse array of theoretical "schools of thought," which vary significantly in their fundamental explanations for human thought and behavior. From a business perspective, these contrasting explanations have widely different (and often contradictory) implications for how marketing strategies should best be crafted and implemented. This course examines consumer thought and action from six different explanatory perspectives, including cognitive psychology, social psychology, classical behaviorism, radical behaviorism, motivational/psychoanalytic psychology, and humanistic/gestalt psychology. Then, the different implications of each interpretation for marketing and advertising strategy are explored and discussed.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is an A-LIST Pathway Elective course, a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4566 Pricing Goods and Services (4 semester hours)

The focus of this course is upon the function of price as a driver of profit. Particular attention will be given to the roles of customers, costs, and competitors as key concerns when developing pricing strategies. All aspects of pricing within the marketing and business environment will be examined, including theories and models of pricing strategy, and common pricing techniques used in contemporary business practice.

Prerequisites: BCOR 2110, BCOR 2120, both with a grade of C (2.0) or better; BCOR 3510 and MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4573 Sports Marketing (4 semester hours)

This course will introduce students to the unique nature of sports marketing at the business, league, and team levels. The course will cover the unique aspects of sports marketing and how marketing concepts such as strategic planning and segmentation apply to the business of sports. Students will be introduced to the interrelationship of integrated marketing communications and sports and develop an understanding of sports as a multi-billion dollar industry and the sports fan as an important consumer segment.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is an A-LIST Pathway Elective course, a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4574 Entertainment Marketing (4 semester hours)

Entertainment companies and content creators are finding it harder and harder to reach audiences for the content they produce. With the various distribution platforms in the marketplace reaching audiences anytime anywhere, how are movie studios, television networks, SVOD platforms, gaming and music labels adjusting their marketing strategies to reach and sustain them in an over-saturated content market place?

Prerequisites: BCOR 3510 and either MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is an A-LIST Pathway Elective course and a COIN Pathway Elective course and a MA Pathway Elective course.

MRKT 4576 Marketing Strategy in the Global Environment (4 semester hours)

This course provides a comprehensive framework for the development of competitive marketing strategies that achieve organizational objectives and build competitive advantage. It teaches students the fundamentals of strategic analysis and strategy development within the context of the global business environment. The course emphasizes the major analytical, ethical, and strategic frameworks of marketing, as specifically implemented within the complex contemporary conditions of global business relationships and activities. The course incorporates experiential learning, case studies, and a simulation project.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

College of Business Administration students only.

This is a COIN Pathway Elective course and an MA Pathway Elective course.

MRKT 4583 Modern Consumer Culture (4 semester hours)

This course will examine the status of our modern consumer culture. As an American phenomenon emerging in the late 20th century, and spreading toward much of the rest of the world in as the new millennium dawns, consumer culture is characterized as a societal ethos where shopping, buying, and consuming become the primary means by which humans define themselves in relation to others. In this way, goods and services (in the form of consumer experiences) form the "palette" from which each individual creates his or her "ideal self." In this course, a variety of aspects of this consumer culture will be explored and analyzed from the perspectives of psychology, sociology, anthropology, and economics. In addition, the roles of marketing and advertising in creating and shaping this emerging consumer culture will be analyzed.

Prerequisites: BCOR 3510 and MRKT 3513 or MRKT 3516 or MRKT 4517 or MRKT 4527 or MRKT 4595

This is an A-LIST Pathway Elective course a COIN Pathway Elective course, and an MA Pathway Elective course.

MRKT 4593 Brand Storytelling (4 semester hours)

This course combines oral, visual, and physical storytelling methodologies with an evidence-based approach that is conducive to developing effective branding strategies. Students will apply this approach toward the brand building efforts of a rapidly growing and remarkable successful company, as well as developing their own "personal" brand. However, at the core of this course is an industry-involved, experiential component that allows the students to learn directly from top tier marketing professionals.

Prerequisites: BCOR 3510, MRKT 3512, and MRKT 3513.
This is the A-LIST Pathway Capstone course.

MRKT 4595 Marketing Metrics and Performance (4 semester hours)

There is an increasing desire and need for enterprises to more clearly link marketing activities to financial returns and other broader measures of performance, such as sustainability and quality of life. Doing so requires not only technical and analytic capabilities but also new cross-functional platforms, business routines, organizational structures, and planning processes. By developing such competencies, business enterprises will be positioned to make decisions that reflect the "voice of the consumer/customer" and lead to improved short- and long-term financial performance, as well as other elements of the triple bottom line, such as sustainability and quality of life. This course explores how (and why) the functions of Marketing, Insights/Analytics, Finance, and IT can work together to achieve improved business and societal results.

Prerequisites: BCOR 3510 and MRKT 3512.
This is the COIN Pathway Capstone course.

MRKT 4598 Special Studies (1-4 semester hours)

MRKT 4599 Independent Studies (1-4 semester hours)
Permission of the Associate Dean required.

MUSC 101 Studio Class (0 semester hours)

Recital class for music majors and minors enrolled in applied lessons, including composition lessons.

May be repeated for degree credit.

MUSC 102 Enjoyment of Music (3 semester hours)

An overview of the evolution of Western Art music from the era of Gregorian Chant to modern times. Focus is on style periods and the contributions of the great composers. Concert attendance required.

Non-majors and non-minors only.

MUSC 104 Fundamentals of Music (3 semester hours)

Practical study of the rudiments of music - notation, rhythm, keys, scales, and terminology, with the object of attaining and applying a basic musical literacy. Concert attendance required.

Non-majors and non-minors only.

University Core fulfilled: Explorations: Creative Experience.

MUSC 105 The Vocal Experience (3 semester hours)

Exploration of the basic techniques of singing with emphasis on the expressive elements inherent in simple vocal literature; study of fundamental musical elements - rhythm, melody, key structures, notation - leading to successful sight singing.

University Core fulfilled: Explorations: Creative Experience.

MUSC 106 The Guitar Experience (3 semester hours)

Exploration of the basic technique of performing on the guitar including 1) learning to read music, 2) chords and styles of accompaniment, and 3) the preparation of solo pieces.

University Core fulfilled: Explorations: Creative Experience.

MUSC 107 The Piano Experience (3 semester hours)

Exploration of the basic techniques of performing piano literature; study of fundamental musical elements - rhythm, melody, key structures, notation, and reading music.

University Core fulfilled: Explorations: Creative Experience.

MUSC 121 Music Theory and Form I (3 semester hours)

Introduction to the fundamentals of functional tonal harmony, basic musical terminology and notation, figured bass, and diatonic harmonic progression and voice leading.

Corequisite: MUSC 133.

MUSC 122 Music Theory and Form II (3 semester hours)

Continuation of MUSC 121, introducing cadences, nonchord tones, 7th chords, chromatic harmony and voice leading (secondary chords), and various types of modulation. Also includes an introduction to formal analysis through the study of period and other phrase structures.

Prerequisite: MUSC 121.

Corequisite: MUSC 134.

MUSC 133 Aural Skills I (1 semester hour)

Developing of the aural skills of sight singing, audiation and pitch discrimination leading to the ability to take musical dictation from simple to intermediate levels involving melody, rhythm and meter, chords in root position, and cadential harmony. Includes Computer Assisted Instruction (CAI).

Corequisite: MUSC 121.

MUSC 134 Aural Skills II (1 semester hour)

Continuation of MUSC 133, further developing the ability to take musical dictation from intermediate to advanced levels involving tonal, modal, and atonal melody, rhythm and meter, all chord types including inversions, and functional harmonic progression. Continuation of CAI.

Prerequisite: MUSC 133.

Corequisite: MUSC 122.

MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice (1 semester hour)

First semester of private applied lessons in the major/minor.

Corequisite: MUSC 101.

MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice (1 semester hour)

Second semester of private applied lessons in the major/minor.

Prerequisite: MUSC 180.

Corequisite: MUSC 101.

MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice (1 semester hour)

First year of private applied lessons for non-majors, non-minors (repeatable credit).

Applied music fee.

Permission of instructor required.

MUSC 196 Global Popular Music and American Diversity (3 semester hours)

Scholarly texts, interactive lectures, and guided musical analysis explore connections between global popular music and American diversity including issues of race and ethnicity, social class, sexuality and gender, aesthetics, ideology, and history. The course engages theories and methods drawn from ethnomusicology, multicultural studies, and popular music studies.

University Core fulfilled: Foundations: Studies in American Diversity.

MUSC 198 Special Studies (1-3 semester hours)**MUSC 199 Independent Studies (1-3 semester hours)****MUSC 221 Music Theory and Form III (3 semester hours)**

Introduction to modal species counterpoint, fugal process, fundamentals of formal analysis, binary and ternary forms, and further chromatic harmony and voice-leading, including borrowed chords, the Neapolitan, and augmented 6th chords.

Prerequisite: MUSC 122.

University Core fulfilled: Flag: Quantitative Literacy.

MUSC 222 Music Theory and Form IV (3 semester hours)

Introduction to song forms, rondo and sonata forms, and further chromatic harmony, including chromatic mediant relationships and enharmonic modulation. Introduction to 20th century concerns, including modality, atonality, Impressionism, Expressionism, polyrhythm and polytonality, serial techniques, minimalism, and improvisation and chance.

Prerequisite: MUSC 221.

University Core fulfilled: Flag: Quantitative Literacy.

MUSC 235 Instrumentation (2 semester hours)

An introduction to the woodwind, brass, string, and percussion families of instruments, including the study of instrumental ranges, transpositions, and techniques. The articulative, dynamic, and timbral characteristics of each instrument are also explored. To these ends the course utilizes live demonstrations, music notation software, and short orchestration projects.

Prerequisite: MUSC 122.

MUSC 280 Guitar, Percussion, Piano, Strings, Voice (1 semester hour)

Third semester of private applied lessons in the major.

Prerequisite: MUSC 181.

Corequisite: MUSC 101.

MUSC 281 Guitar, Percussion, Piano, Strings, Voice (1 semester hour)

Fourth semester of private applied lessons in the major.

Prerequisite: MUSC 280.

Corequisite: MUSC 101.

MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice (1 semester hour)

Second year of private applied lessons for non-majors (repeatable credit).

Applied music fee.

Permission of instructor required.

MUSC 298 Special Studies (1-3 semester hours)**MUSC 299 Independent Studies (1-3 semester hours)****MUSC 303 Introduction to World Music Cultures (3 semester hours)**

An introductory-level survey of art, traditional, and regional popular music, chosen from the South Asia, Indonesia, East Asia, Africa, Central America, and South America. Class lectures and discussion focus upon readings and guided listening. Some in-class performance.

MUSC 304 Topics in World Music Cultures (3 semester hours)

An intermediate-level survey of art, traditional and regional popular music, chosen from Africa, the Americas, and Oceania. Class lectures and discussion emphasize coherences between music and culture. Some musical analysis.

Prerequisites: MUSC 303.

MUSC 307 Choral Literature (3 semester hours)

An exploration of 17th through 21st century choral literature with an emphasis on principal composers and performance practice through the study of scores, comparative listening to recordings, and reading material.

Prerequisite: MUSC 332.

MUSC 308 Orchestral Literature (3 semester hours)

An exploration of 18th through 21st century orchestral literature with an emphasis on principal composers and performance practice through the study of scores, reading material, and comparative listening to recordings. Developments in orchestration, style, and form, as well as socio-historical contexts are also considered.

Prerequisite: MUSC 333.

MUSC 310 Instrumental Pedagogy (3 semester hours)

Research, concepts, and methodology common to the teaching of instruments.

Prerequisite: MUSC 222.

MUSC 316 Music History: Antiquity to 1600 (3 semester hours)

A historical survey of Western music traditions from antiquity through the Renaissance (1600). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

University Core fulfilled: Flags: Information Literacy, Writing.

Prerequisite: MUSC 221.

MUSC 317 Music History: 1600-1820 (3 semester hours)

A continuation of the historical survey of Western music traditions from the Baroque Era (1600) through the Classic Era (1820). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisites: MUSC 221 and MUSC 316.

University Core fulfilled: Flag: Oral Skills.

MUSC 318 Music History: 1820 to Present (3 semester hours)

A continuation of the historical survey of Western music traditions from the beginnings of Romanticism through the milieu of twentieth-century music, concluding with current practices and trends. Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisites: MUSC 221 and MUSC 317.

University Core fulfilled: Flags: Information Literacy, Writing.

MUSC 319 Analytic Techniques (3 semester hours)

The study of concerto and variation forms, tonal pairing and other 19th century developments, and an introduction to linear-graphic analysis and set theory.

Prerequisite: MUSC 222.

University Core fulfilled: Flag: Quantitative Literacy.

MUSC 322 Modal Counterpoint (3 semester hours)

Introduction to the style of sixteenth-century counterpoint, as exemplified by the vocal works of Palestrina. Topics covered include species counterpoint, the setting of Latin texts, and techniques of mass composition.

Prerequisite: MUSC 221.

MUSC 323 Tonal Counterpoint (3 semester hours)

Introduction to the style of eighteenth-century counterpoint, as exemplified by the instrumental works of J.S. Bach. Techniques and procedures covered include species counterpoint, canon, invention, and fugue.

Prerequisite: MUSC 221.

MUSC 324 Form and Harmony in Popular Music (3 semester hours)

An introduction to harmonic progressions ("changes") and formal procedures and structures utilized in various popular musics such as folk, blues, pop, gospel, rock, musical theater, and jazz. Coursework includes completing both harmonic and structural exercises as well as small original compositions.

Prerequisite: MUSC 122.

MUSC 326 Music Technology and Production (3 semester hours)

The exploration of issues and topics involved in creating and producing music with technology, specifically through the use of software on a personal computer. Students will learn basic facility and fluency with a number of software platforms on the Macintosh operating system. In addition, a large portion of this course is devoted to direct music and audio composition. In this way, students are evaluated both on technical proficiency as well as creative energy employed in completing course assignments.

Prerequisite: MUSC 122.

MUSC 328 Choral Methods I (2 semester hours)

Practical aspects of choral techniques ranging from the audition through the working rehearsal with emphasis on development of choral tone, phrasing, articulation, dynamics, blend, and balance, as well as selection of repertoire.

Prerequisites: MUSC 281 (Voice), 332, and 491, 493, or 495.

Corequisite: MUSC 491, 493, or 495.

MUSC 330 Score Reading I (2 semester hours)

Score reading preparation of concert and transposed musical scores involving two through six parts including the use of multiple clefs.

Prerequisite: MUSC 333

MUSC 331 Score Reading II (2 semester hours)

Score reading preparation of concert and transposed scores involving seven or more diverse instrumentations including the use of multiple clefs.

Prerequisite: MUSC 330

MUSC 332 Choral Conducting (2 semester hours)

Basic conducting skills, technical and expressive uses of the conducting gesture, methods of verbal and non-verbal communication appropriate to a choral ensemble.

MUSC 333 Instrumental Conducting (2 semester hours)

Basic conducting skills, technical and expressive uses of the conducting gesture, and methods of communication appropriate to an instrumental ensemble.

Prerequisite: MUSC 235.

MUSC 340 Diction for Singers I (1 semester hour)

Development and refinement of enunciation and performing skills in English, Italian, and Latin. An extensive working knowledge of the International Phonetic Alphabet will be acquired.

Major or minor required.

MUSC 341 Vocal Pedagogy (3 semester hours)

Study of the physiology and acoustics of the voice and its application to singing and to the teaching of singing.

Major or minor required.

MUSC 342 Diction for Singers II (1 semester hour)

Continuation of MUSC 340; emphasis on German and French.

Prerequisite: MUSC 340.

MUSC 343 Opera Scenes/Workshop (1,2 semester hours)

Preparation of scenes from major operas in either staged or concert versions, and study of the complete works to aid singers in establishing context and characterization. For repeated credit, students will develop new stylistic understanding by undertaking musical and/or theatrical challenges not addressed in previous roles.

May be repeated for degree credit (maximum 12 semester hours).

MUSC 344 Alexander Technique (2 semester hours)

Basic skills of coordinated movement appropriate to stage work for vocalists and instrumentalists. Exploration of the elements of poise, postural habits, and style based on principles developed by F.M. Alexander.

Major or minor required.

May be repeated for degree credit (maximum 4 semester hours).

MUSC 365 History of Jazz (3 semester hours)

A survey of the origins and major style periods of jazz from the antebellum era to the present. Listening assignments emphasize the ways in which specific musical features reflect currents of history and culture.

MUSC 366 History of Rock (3 semester hours)

Evolution of rock and roll from its African-American origins to the present.

MUSC 367 History of Popular Music (3 semester hours)

Survey of the musical and cultural history of the diverse styles and artists associated with popular music. Exploration will range from rock to blues to hip hop to heavy metal to country. The course will consider the social, political, and cultural themes that influence and are influenced by music.

MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition (1 semester hour)

Fifth semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 281.

Corequisite: MUSC 101.

MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition (1 semester hour)

Sixth semester of private applied lessons in the major.

Prerequisite: MUSC 222 and MUSC 380.

Corequisite: MUSC 101.

MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice (1 semester hour)

Third year of private applied lessons for non-majors (repeatable credit).

Applied music fee.

Permission of instructor required.

MUSC 387 Music Composition I (1 semester hour)

The composition of original instrumental and vocal works for solo performers and small ensembles employing structures such as binary, ternary, and song forms.

Prerequisite: MUSC 222.

MUSC 388 Music Composition II (1 semester hour)

Continuation of 387.

Prerequisite: MUSC 387.

MUSC 396 Sociology of Music (3 semester hours)

Analysis of rock 'n' roll, jazz, pop, European classical music, and global musics through the lens of sociology to examine how musical genres reflect and influence social thought and behavior by reinforcing and/or challenging constructions of race and ethnicity, class, and gender and sexuality.

University Core fulfilled: Integrations: Interdisciplinary Connections.

MUSC 398 Special Studies (1-3 semester hours)**MUSC 399 Independent Studies (1-3 semester hours)**

*MUSC 398 and 399 may not be designated to stand in lieu of a course in the Music curriculum, except by permission of the Chairperson.

MUSC 407 Research and Methods in Ethnomusicology (1 semester hour)

A survey of the essential literature of ethnomusicology; introduction to field methods, transcription, and analysis.

Prerequisites: MUSC 303 and 304 with grades for these courses averaging B+ (3.3) or higher.

MUSC 412 Pre-Renaissance and Renaissance Music (3 semester hours)

The study of the major musical figures and their representative works from the chants of the early Christian church to the Baroque Era.

Prerequisite: MUSC 316, 317, and 318.

MUSC 413 Music of Baroque (3 semester hours)

Composers, music, and practices from 1600 to 1750 with emphasis on historical development culminating in the works of G.F. Handel and J.S. Bach.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

MUSC 414 Music of the Classical Era (3 semester hours)

Composers, music, and practices from 1750 to 1827 with emphasis on historical developments of musical trends through the works of Gluck, Haydn, Mozart, Beethoven and Schubert.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

MUSC 415 Music of the Romantic Age (3 semester hours)

Composers, music, and musical developments from the death of Beethoven through the end of the nineteenth century.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

MUSC 416 Music of the Twentieth-Century Era (3 semester hours)

Composers, music, trends, and musical arts-related developments from the close of the nineteenth century through contemporary practices.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

MUSC 428 Choral Methods II (1 semester hour)

Continuation of MUSC 328.

Prerequisite: MUSC 328.

MUSC 432 Advanced Choral Conducting (2 semester hours)

Application of concepts and fundamentals experienced in MUSC 332, development and application of interpretive conducting skills through study of choral works representing the major style periods.

Prerequisite: MUSC 332.

MUSC 433 Advanced Instrumental Conducting (2 semester hours)

Application of concepts and fundamentals experienced in MUSC 333, development and application of interpretive conducting skills through major orchestral works.

Prerequisite: MUSC 333.

MUSC 435 Instrumental Conducting Practicum (2 semester hours)

Preparation and application of conducting skills with a departmental instrumental ensemble resulting in a recital performance appearance as a student conductor.

Prerequisite: MUSC 433.

MUSC 445 Choral Practicum (1 semester hour)

In-depth study of choral rehearsal practices resulting in a senior project or conducting recital.

Prerequisite: MUSC 432.

MUSC 446 Orchestral Techniques Practicum (1 semester hour)

In-depth study of orchestral rehearsal practices resulting in a senior project or conducting recital.

Prerequisite: MUSC 433.

MUSC 450 Senior Project/Recital (1 semester hour)

Preparation and presentation of a solo performance in a student recital format.

Permission of Applied instructor, advisor, and Chairperson required.

MUSC 454 African Music Ensemble (1 semester hour)

Practice and performance of music for Balinese gamelan. Repertoire includes both new and traditional compositions. In the course of multiple semesters, students will expand their knowledge of repertoires and range of performance skills.

Audition after enrollment.

May be repeated for degree credit (maximum 4 semester hours).

MUSC 455 African Music Ensemble II (1 semester hour)

Practice and performance of music for Balinese gamelan and Ghanaian (West African) ensemble drumming. Repertoire includes both new and traditional compositions. In the course of multiple semesters, students will expand their knowledge of repertoires and performance skills.

Audition after enrollment.

May be repeated for degree credit (maximum 4 semester hours).

MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition (1 semester hour)

Seventh semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 381.

Corequisite: MUSC 101.

MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition (1 semester hour)

Eighth semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 480.

Corequisite: MUSC 101.

MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice (1 semester hour)

Fourth year of private applied lessons for non-majors (repeatable credit).

Permission of instructor required.

Applied music fee required.

MUSC 487 Music Composition III (1 semester hour)

The composition of original instrumental and vocal works for large ensembles employing extended structures such as sonata, rondo, variation and concerto forms.

Prerequisite: MUSC 388.

MUSC 488 Music Composition IV (1 semester hour)

Continuation of 487.

Prerequisite: MUSC 487.

MUSC 489 Chamber Orchestra Practicum (1 semester hour)

Chamber orchestra sectional rehearsals for high strings/low strings focusing on techniques of bowing, strokes and articulation, fingering, and intonation.

Corequisite: MUSC 490.

May be repeated for degree credit (maximum 8 semester hours).

Credit/No Credit only.

MUSC 490 Chamber Orchestra (1 semester hour)

Offers students and members of the community instruction in orchestral music through the study and performance of quality literature representing a variety of style periods and musical genre. Over the course of multiple semesters, students will develop increased ensemble skills, technical proficiency, and stylistic understanding.

Corequisite: MUSC 489.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours).

MUSC 491 Consort Singers (0-2 semester hours)

Smaller, more advanced choral ensemble provides an opportunity for students to perform challenging choral literature from a wide range of composers and styles. Previous choral experience is required. Through the study and performance of new and different repertoire, students who repeat the course over multiple semesters will develop increased ensemble skills, vocal proficiency, and stylistic understanding.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours).

MUSC 492 Chamber Music Ensembles (1 semester hour)

To gain an understanding of and to develop the skills necessary for small ensemble playing (includes guitar, string, piano, percussion, and jazz ensembles). Over the course of multiple semesters, students will develop increased ensemble skills, technical proficiency, and stylistic understanding.

Audition after enrollment; permission of instructor required (piano ensembles).

May be repeated for degree credit (maximum 8 semester hours.)

MUSC 493 Oriana Vocal Ensemble (1 semester hour)

The ensemble explores and performs choral repertoire drawn from a variety of styles but written specifically for treble voices. Through the study and performance of new and different repertoire, students who repeat the course over multiple semesters will develop increased ensemble skills, vocal proficiency, and stylistic understanding.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours).

MUSC 494 Men's Chorus (1 semester hour)

The ensemble explores and performs choral literature for male voices.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours).

MUSC 495 Concert Choir (1 semester hour)

The large choral ensemble offers students and members of the community instruction in choral music with an emphasis on vocal development during the study and performance of quality literature representing a variety of style periods and music genres. Through the study and performance of new and different repertoire, students who repeat the course over multiple semesters will develop increased ensemble skills, vocal proficiency, and stylistic understanding.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours).

MUSC 496 Theory Placement Practicum (1 semester hour)

Review of selected topics from Music Theory & Form I-IV and techniques of preparation for theory placement examinations required by music graduate schools.

Credit/No Credit only.

MUSC 497 Musicology Placement Practicum (1 semester hour)

Techniques of preparation for musicology placement examinations required for entrance into music graduate school programs.

MUSC 498 Special Studies (0-1 semester hours)**MUSC 499 Independent Studies (1-3 semester hours)**

*MUSC 498 and 499 may not be designated to stand in lieu of course content addressed by another course in the music curriculum, except by permission of the Chairperson.

ORCA 1000 Research Learning Community (0 semester hours)

The Research Learning Community (RLC) in the Office of Research & Creative Arts (ORCA) seeks primarily to teach research as a practice so that participants are prepared to complete projects and pursue opportunities for conference presentations and/or publication. This voluntary seminar ultimately aims to enhance students' abilities as researchers. Students learn research search strategies and writing techniques, from reading/prewriting strategies to practicing the requisite skills for writing a cohesive and logically coherent literature review. The RLC has several research themes and can be adapted to specialized learning communities, such as the McNair Scholars Program and the STEM Research Learning Community. The RLC is for C/NC and requires instructor consent to register.

ORCA 2000 Adv Research Learning Cmty (0 semester hours)

The Advanced Research Learning Community (RLC) in the Office of Research & Creative Arts (ORCA) builds upon the skills learned in the foundational Research Learning Community. In this seminar, students develop their own research question, literature review, and begin to create a research student of their own. The Advanced RLC has several research themes and can be adapted to specialized learning communities, such as the McNair Scholars Program.

Prerequisite: ORCA 1000.

Credit/No Credit Only.

Permission of instructor required.

ORCA 3000 McNair Junior Practicum (0 semester hours)

The McNair Junior Practice provides McNair Scholars with the tools to further their professional and graduate school goals through direct mentorship on the process of applying to summer research opportunities and internships outside of the university. In this 12-week practicum, students focus on the application pieces required for applications to specific research opportunities and internships, walk step by step through the application process, and complete drafts of three applications to submit

Credit/No Credit Only.

Permission of instructor required.

ORCA 4000 McNair Senior Practicum (0 semester hours)

The McNair Senior Practicum provides McNair Scholars with the tools to further their professional and graduate school goals through direct mentorship on the graduate school process. In this 12-week practicum, we will focus on the application pieces required for graduate school applications, walk step by step through the application process, and complete drafts of graduate school applications to submit.

Credit/No Credit Only.

Permission of instructor required.

ORNT 1000 First Year Forum (0 semester hours)

This Introduction to LMU for Freshman Students forum provides key information to assist students with making a successful transition to LMU.

New freshmen only.

ORNT 2000 Transfer Forum (0 semester hours)

This Introduction to LMU for Transfer Students forum provides key information to assist students with making a successful transition to LMU.

New transfer students only.

PHIL 1800 Philosophical Inquiry (4 semester hours)

An introductory exploration of central questions and interpretations of human existence, with special emphasis on epistemology and metaphysics, carried on in light of the Catholic intellectual tradition.

University Core fulfilled: Foundations: Philosophical Inquiry.

PHIL 1998 Special Studies (1-4 semester hours)**PHIL 1999 Independent Studies (1-4 semester hours)****PHIL 2000 Critical Thinking (4 semester hours)**

An introduction to the principles of sound reasoning, with emphasis on the construction and evaluation of deductive and inductive arguments, the identification of logical fallacies, and the development of essential critical thinking skills. Special attention to applications in psychology.

PHIL 2010 Logic (4 semester hours)

An introduction to the methods and applications of good reasoning, with emphasis on formal methods for testing arguments for deductive validity in propositional logic and predicate logic. The course also aims to develop skills in some aspects of informal logic, which might include the consideration of informal fallacies, classical categorical logic, principles of inductive reasoning, or probability theory.

Required for Philosophy majors.

PHIL 2350 Philosophy and Film (4 semester hours)

An investigation of the philosophical use of the film medium and an examination of particular philosophical ideas portrayed in films.

PHIL 2998 Special Studies (1-4 semester hours)**PHIL 2999 Independent Studies (1-4 semester hours)****PHIL 3010 Advanced Symbolic Logic (4 semester hours)**

Continuation of symbolic logic techniques, with emphasis on modal and multi-value logics; metalogical considerations of syntax, semantics, and proofs; and questions/issues of philosophical logic and the philosophy of logic.

Prerequisite: PHIL 2010.

PHIL 3100 Ethics (4 semester hours)

A study of the questions which a person must ask, and the answers one must consider, in forming an intelligent philosophy of moral choice, carried on in the light of the Catholic intellectual tradition.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3102 Ethical Theory (4 semester hours)

A detailed examination of different ethical theories concerning what is good and how we should live. Questions to be considered include: What sort of life is valuable? What kind of person is it best to be? What am I morally required to do for others? What is the basis of morality? What does a meaningful life consist in? This class is designed for (and restricted to) majors and minors in philosophy, and is a writing-intensive course designed to strengthen philosophical writing skills.

University Core: INT: Ethics and Justice.

PHIL 3105 Ethics of Love and Marriage (4 semester hours)

A careful study of the ethical dimensions of friendship, love, marriage, and commitment.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3110 Environmental Ethics (4 semester hours)

The study of moral and ethical issues as they relate to the environment and nonhuman nature. Specific topics and foci vary from semester to semester.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3112 Environmental Virtue Ethics (4 semester hours)

This course is a sustained reflection on the nature of virtue and its role in the flourishing of individual humans, social groups, and the environment. Specific foci may vary, but the course will emphasize the tradition of virtue ethics - including by contrast with other ethical approaches and theories - brought to bear on environmental issues.

University Core fulfilled: Integrations: Ethics and Justice; Flags: Oral Skills, Writing.

PHIL 3115 Ethics for Engineering and Science (4 semester hours)

The course provides students with materials both for their own reflection on and construction of an ethics directing their conduct as professionals engaged in complex organizations and structures.

The course examines these topics:

- the systems causing and remedying climate change,
- the historical and social variation in technological development,
- the medical and legal uses of genomic techniques,
- and the design and impact of computer algorithms.

Restricted to majors in the Frank R. Seaver College of Science and Engineering.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3120 Business Ethics (4 semester hours)

A study of the ethical issues that arise in the field of business.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3125 Media Ethics (4 semester hours)

An exploration of the ethical challenges of professionals working in the media and communications industries, providing strategies for students to assess ethical dilemmas in business and creative decisions in film, television, popular music, news, public relations, and advertising professions.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3135 Bioethics (4 semester hours)

A careful study of the ethical issues that arise in the field of medicine, such as abortion, euthanasia, physician-assisted suicide, and distribution of medical resources and care.

PHIL 3137 Ethics of Disability (4 semester hours)

Introduction to foundational and contemporary treatments of “disability,” with special consideration of the intersections between “disability,” virtue ethics, and natural law.

University Core fulfilled: Integrations: Ethics and Justice (IEJT).

PHIL 3145 Topics in Applied Ethics (4 semester hours)

An in-depth study of a contemporary ethical issue.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

PHIL 3150 Contemporary Moral Problems (4 semester hours)

A study from the perspective of ethical theory of selected moral problems of contemporary interest and significance.

PHIL 3160 Political Philosophy (4 semester hours)

A philosophical investigation into the origin and end—and so the scope and limits—of political life. Course content may vary from historical surveys to focused treatments of specific political thinkers or schools of political theory.

University Core fulfilled: Integrations: Ethics and Justice.

PHIL 3165 Philosophy of Law (4 semester hours)

A philosophical analysis of the rule of law and the operation of contemporary legal systems. Topics will include the nature of law and legal obligations, the relation between law and morality, and the criteria for ascribing both civil and criminal (legal) liability.

University Core Fulfilled: INT: Ethics and Justice.

PHIL 3180 raceSEXgender (4 semester hours)

This course examines the reality of racial, gender, and sexual identities, the intersections and co-determinations of such identities, and the forms of subjectivity created as a result of racism, sexism, and heterosexism.

University Core fulfilled: Foundations: Studies in American Diversity.

PHIL 3200 Philosophy of Science (4 semester hours)

An examination of the nature of science and scientific knowledge, with attention to the history of science and applications to contemporary issues.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

PHIL 3220 Environmental Philosophy (4 semester hours)

A study of the fundamental issues associated with the human relationship to the natural world. Specific topics will vary from semester to semester.

PHIL 3320 Philosophy and the Arts (4 semester hours)

A study of the meaning of art and what it can tell us about human beings, the nature of artistic intuition, and the creative process.

PHIL 3330 Philosophy and Literature (4 semester hours)

An investigation of the philosophical use of literature and an examination of philosophical ideas portrayed in a variety of literary works, which may include plays, novels, autobiographies, and short stories.

Fulfills Integrations: Interdisciplinary Connections.

PHIL 3355 Meditative Gaze: Dao and Film (4 semester hours)

This course brings two distinctive disciplines, philosophy and film theory together into a coherent discourse. The focus of the class is on the philosophical question most often posed as the mind-body problem and the various ways that media texts have addressed and articulated this issue, specifically through the adoption of a meditative gaze as a philosophically charged stylistic approach.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

PHIL 3400 Philosophy of Religion (4 semester hours)

A philosophical investigation of the issues surrounding religion and religious beliefs. Possible topics will include: religious language, problem of evil, immortality, theism, and atheism.

University Core fulfilled: Integrations: Faith and Reason.

PHIL 3410 Philosophy of God (4 semester hours)

An exploration of the debate regarding concepts of God and the arguments for and against God's existence. This course examines the contributions of both classical and contemporary schools of thought to the debate.

PHIL 3420 Philosophy and Christianity (4 semester hours)

An exploration of central philosophical issues that arise in Christian life—understood as pilgrimage. What is happiness? How does one integrate the immanent and the transcendent? How does Christian praxis relate to the political sphere?

University Core fulfilled: Integrations: Faith and Reason.

PHIL 3440 The God of Faith and Reason (4 semester hours)

A philosophical exploration of the relationship between faith and reason, especially with regard to their common object, carried on in the light of the Catholic intellectual tradition.

University Core fulfilled: Integrations: Faith and Reason.

PHIL 3510 Ancient Philosophy (4 semester hours)

A study of pre-Socratic thought, Plato, and Aristotle. Part of the history sequence for majors.

Offered Fall semester only.

PHIL 3520 Medieval Philosophy (4 semester hours)

A study of the major philosophical movements from Augustine to Ockham. Part of the history sequence for majors.

University Core fulfilled: Integrations: Faith and Reason.

Offered Spring semester only.

PHIL 3530 Modern Philosophy I (4 semester hours)

A study of 17th and 18th century philosophy, from Descartes to Hume. Part of the history sequence for majors.

Offered Fall semester only.

PHIL 3540 Modern Philosophy II (4 semester hours)

A study of Kant and post-Kantian developments, including 19th century German Idealism. Part of the history sequence for majors.

Offered Spring semester only.

PHIL 3565 Chinese Philosophy (4 semester hours)

An introduction to Chinese Philosophy, its subject matter and methodologies, with special attention to the six philosophical schools and some fundamental philosophical concepts and persistent issues that arise in the development of the Chinese philosophical tradition.

PHIL 3575 Comparative Philosophies of Self (4 semester hours)

Students in this course will draw upon diverse traditions to think through the concept of selfhood. Working within the two disciplines of Anthropology and Philosophy, we will pursue understanding of the self as conceived by different cultures and engage in self-understanding as we reflect on our own ideals of a good life. The course proceeds through comparison among cultural traditions, putting modern Euro-American liberalism in dialog with some combination of Greek, Chinese, Japanese, Indian, African, and Latin American thinkers. Ultimately, this course asks students to explore their own culture and self-conception, and the ethical ideals that are available to such a self in the world today.

University Core: IINC: INT: Interdisciplinary Connections.

PHIL 3712 Augustine (4 semester hours)

Careful examination of central philosophical and theological themes in the thought of St. Augustine of Hippo, including truth; beauty; unity and number; interiority; divine illumination; lust, pride, and curiosity; free will; eternity and time; and the problem of evil. The focus of the course will be primarily but not exclusively on the earlier, more strictly philosophical phases of Augustine's thought.

University Core fulfilled: Integrations: Faith and Reason.

PHIL 3998 Special Studies (1-4 semester hours)**PHIL 3999 Independent Studies (1-4 semester hours)****PHIL 4170 Feminist Philosophy (4 semester hours)**

A survey of the political, epistemological, and metaphysical questions raised for philosophy as traditionally conceived by the claim that sex and/or gender should play a significant role in its self-understanding.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4210 Science and Religion (4 semester hours)

A philosophical examination of the relationship(s) between science and religion, with special attention to historical and contemporary developments.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4237 Philosophy of Disability (4 semester hours)

A philosophical investigation of the metaphysical and anthropological foundations of human nature, ability, and disability. In this course, students will consider both foundational and contemporary treatments of these concepts. Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4300 Aesthetics (4 semester hours)

A philosophical investigation of beauty. Course content may vary from historical surveys to focused treatments of specific thinkers or schools of aesthetic theory.

PHIL 4620 Pragmatism (4 semester hours)

A study of 19th and 20th century pragmatism. Individual courses may focus on figures such as Charles Sanders Peirce, William James, John Dewey, Richard Rorty, and Cornel West.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4630 Phenomenology (4 semester hours)

An introduction to major themes in phenomenology. This course will focus on such topics as intentionality, the natural and transcendental attitudes, categorial intuition, temporality, and intersubjectivity. It will draw out the classical character of phenomenology and yet show how the method responds to and overcomes particular problems of modernity.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4635 Phenomenology of the Self (4 semester hours)

An introduction to the phenomenological treatment of subjectivity and intersubjectivity, focusing on various aspects of Husserlian egology and the use of language, especially the first-person pronoun.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4640 Existentialism (4 semester hours)

A study of 20th and 21st century existential philosophy and its 19th century forerunners.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4660 Hermeneutics (4 semester hours)

A study of philosophical accounts of interpretation and the role it plays in understanding. The course may approach the field through emphasis on a particular figure (e.g., Martin Heidegger, Hans-Georg Gadamer, or Paul Ricoeur) or through a particular theme or topic (e.g., narrative identity, religion, or politics).

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4670 Spanish Philosophy (4 semester hours)

An exploration of Spanish (Iberian) philosophical figures and themes, including one or more of the following thinkers: Seneca, Averroes, Maimonides, Lull, Ibn Al'Arabi, Vives, St. Teresa of Jesus, St. John of the Cross, Suarez, Unamuno, Ortega y Gasset, Zubiri, Mora, Marias, and/or Trias.

PHIL 4680 Topics in Chinese Philosophy (4 semester hours)

An advanced study of patterns of philosophical thinking in Chinese intellectual tradition. The topics will focus in depth on a particular theory, problem, or text.

May be repeated twice for degree credit.

PHIL 4700 Major Thinkers (4 semester hours)

Concentrated study of a single, major philosopher.

Repeatable for degree credit.

PHIL 4704 Plato (4 semester hours)

Close study of the thought of Plato.

PHIL 4706 Aristotle (4 semester hours)

Close study of the thought of Aristotle.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning, Writing.

PHIL 4720 Aquinas (4 semester hours)

Close study of the thought of Thomas Aquinas.

PHIL 4738 Kant (4 semester hours)

Close study of the thought of Immanuel Kant.

PHIL 4742 Hegel (4 semester hours)

Close study of the thought of G. W. F. Hegel.

PHIL 4756 Heidegger (4 semester hours)

Close study of the thought of Martin Heidegger.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4810 Metaphysics (4 semester hours)

An introduction to classical and contemporary metaphysics, the general theory of being. Topics often include analogy, essence and existence, matter and form, potency and act, causality, and the transcendentals.

PHIL 4820 Epistemology (4 semester hours)

An introduction to the principal problems of epistemology as they appear in both classical and contemporary theories.

PHIL 4830 Philosophy of Mind (4 semester hours)

A philosophical examination of the nature of minds, with attention to scientific and historically significant perspectives.

Satisfies the Contemporary Philosophy requirement for Philosophy majors.

PHIL 4920 Special Topics (4 semester hours)

A seminar course which aims to expose students to the current research and special philosophical interests of departmental faculty. Topics vary from semester to semester.

PHIL 4990 Senior Assessment (0 semester hours)

Assessment of student learning outcomes in the field of philosophy. Includes completion of survey instruments, senior exit interview, or other forms of end-of-program evaluation.

Prerequisites: All required courses for the major in Philosophy completed or currently in progress.
Senior Philosophy majors only.
Credit/No Credit only.

PHIL 4998 Special Studies (1-4 semester hours)**PHIL 4999 Independent Studies (1-4 semester hours)****PHIL 5910 Senior Project (4 semester hours)**

A research and writing project completed under the guidance and direction of a faculty supervisor.

PHIL 5998 Special Studies (1-4 semester hours)

Prerequisite for undergraduates: Six PHIL courses. None of the six can be taken concurrently with PHIL 5998.
Instructor permission required.

PHIL 5999 Independent Studies (1-4 semester hours)

PHIL 6001 Graduate Proseminar (3 semester hours)

An introduction to the reading and writing skills necessary for successful philosophical scholarship. Required of all graduate students the first fall of their studies.

PHIL 6002 Teaching Philosophy (3 semester hours)

This seminar is a rigorous exploration of the fundamental theories and practices of teaching philosophy.

PHIL 6100 Ethics (3 semester hours)

A study of the nature of the good and the right, encompassing questions such as: What sort of life is best? What kind of person is it best to be? What does morality require of us? Is there universal moral truth, and how can we know what's right or good?

PHIL 6150 Social and Political Philosophy (3 semester hours)

A study of the interrelation of the person and community, focusing on such questions as: Is the human person, at the deepest level, a whole rather than a part? How can we best evaluate contractarian, utilitarian, and natural law views of the common good? Does liberal individualism do justice to either the person or the common good?

PHIL 6180 Virtue Ethics (3 semester hours)

A study of virtue ethics as a distinctive ethical theory, along with questions about the nature of virtues and vices.

PHIL 6200 Philosophy of Science (3 semester hours)

A study of the nature of science and scientific knowledge, with attention to the history of science and contemporary debates.

PHIL 6400 Topics in Philosophy and Religion (3 semester hours)

A study of selected topics in the philosophy of religion, such as God, faith, and reason, including an examination of both historical and contemporary discussions of these topics.

PHIL 6530 Early Modern Philosophy (3 semester hours)

A study of selected thinkers and themes in 17th and 18th century European philosophy, focusing on the major works of seminal philosophers such as Descartes, Spinoza, Malebranche, Pascal, Locke, Leibniz, Berkeley, and Hume. Topics may include reality, knowledge, perception, reason, causation, identity, substance, mind, and God.

PHIL 6565 Classics of Chinese Philosophy (3 semester hours)

A study of the classic texts of the Confucian and Daoist traditions, including the Analects, Mencius, Doctrine of the Mean, The Great Learning, Daodejing, Zhuangzi, and The Art of War.

PHIL 6590 American Philosophy (3 semester hours)

A study of issues and movements in American Philosophy, such as Transcendentalism, Pragmatism, and Neo-Pragmatism.

PHIL 6630 Topics in Phenomenology (3 semester hours)

The study of one or more topics in phenomenology, drawing from the works of such thinkers as Husserl, Scheler, Stein, Heidegger, Sartre, and Merleau-Ponty.

May be repeated for degree credit.

PHIL 6640 Topics in Continental Philosophy (3 semester hours)

A study of prominent themes in the continental tradition of philosophy. Topics vary each semester and may include figures from the 19th, 20th, and 21st centuries.

May be repeated for degree credit.

PHIL 6650 Contemporary French Philosophy (3 semester hours)

A study focusing on twentieth and/or twenty-first century figures in French philosophy. This seminar may be devoted to one or more of the following figures: Bergson, Marcel, Ricoeur, Levinas, Foucault, Derrida, Marion, Nancy, or other similar thinkers.

PHIL 6660 Hermeneutics (3 semester hours)

A consideration of the philosophical questions raised by the interpretation of historically and culturally distant texts, artifacts, and experiences. Course may focus on one or more exponents of philosophical hermeneutics (e.g., Heidegger, Gadamer, Ricoeur, et al.) or on a particular issue (e.g., history, art, narrative, etc.).

PHIL 6690 Critical Theory (3 semester hours)

A look at contemporary "critical theorists," scholars who - inspired by Kant, Hegel, Marx, and Freud - share two apparently incompatible convictions: first, that philosophy must acknowledge the historical, economic, political, psychological, and sociological factors that constrain and distort our thinking; and second, that this discipline of radical self-criticism can lead to insight, change, and growth.

PHIL 6704 Plato (3 semester hours)

An exploration of selected dialogues, informed by a study of the various interpretations of the dialogues from Aristotle to the present.

PHIL 6706 Aristotle (3 semester hours)

A close study of Aristotelian texts. Aristotle's psychology, metaphysics, or ethics and politics may be emphasized in a given semester.

PHIL 6710 Plotinus (3 semester hours)

A study of a wide range of Plotinus' works, aimed at articulating his understanding of the fundamental structures of reality, of thought, and of human life in relation to their transcendent source. The main emphasis will be on metaphysical and gnostic themes, but the ethical, aesthetic, and spiritual dimensions of Plotinus' thought will also be considered.

PHIL 6712 Augustine (3 semester hours)

A study of central philosophical topics in Augustine's thought, focusing primarily but not exclusively on the earlier phases of his work. Issues to be thematized include truth, beauty, unity and number, interiority, divine illumination, eternity and time, and the problem of evil.

PHIL 6720 Aquinas (3 semester hours)

An exploration of major themes in the thought of the 13th-century Dominican Thomas Aquinas through seminal works such as the Summa Theologiae and the Summa contra Gentiles.

PHIL 6728 Pascal (3 semester hours)

A study of philosophical themes in the thought of Blaise Pascal, with special attention to the Pensées.

PHIL 6736 Hume (3 semester hours)

A study of selected themes in the philosophy of David Hume.

PHIL 6738 Kant (3 semester hours)

An in-depth study of selections from the three critiques and other writings, with attention to the relevant secondary literature.

PHIL 6742 Hegel (3 semester hours)

A close reading of Hegel's Phenomenology of Spirit with the aid of the major commentators.

PHIL 6746 Kierkegaard (3 semester hours)

A study of Kierkegaard's philosophical psychology through an examination of his pseudonymous works, including Either/Or, Fear and Trembling, Repetition, The Concept of Anxiety, Concluding Unscientific Postscript, and The Sickness Unto Death.

PHIL 6752 Husserl (3 semester hours)

A study of the phenomenological method of Husserl through readings from one or more of his texts.

PHIL 6756 Heidegger (3 semester hours)

A study of major themes in Heidegger's philosophy, beginning with Being and Time and including other major texts from the later periods of his thought.

PHIL 6762 Wittgenstein (3 semester hours)

A close study of the Philosophical Investigations along with the Tractatus and On Certainty. Topics include the nature of mind, language, and the relation between language and the world in the philosophy of Wittgenstein.

PHIL 6810 Metaphysics (3 semester hours)

A study of major metaphysical theories including those of Plato, Aristotle, and Aquinas.

PHIL 6820 Epistemology (3 semester hours)

A study of the philosophical dimensions of the cognitive life. It explores questions about the nature and sources of knowledge - and even its very possibility. Such questions lead to further considerations about, for example, skepticism and the problem of epistemic regress; the foundationalism vs. coherentism and internalism vs. externalism debates; the classical debates between rationalism and empiricism and, too, realism and idealism. The course might also investigate fresh developments in virtue epistemology, social epistemology, and feminist epistemology.

PHIL 6825 Virtue Epistemology (3 semester hours)

A study of classic or contemporary treatments of the nature of intellectual virtue, its role in the life of the mind, and its relevance to perennial or current issues in the philosophical study of knowledge.

PHIL 6830 Philosophy of Mind (3 semester hours)

An examination of the nature of mind and its relation to the physical world. Topics might include consciousness, subjectivity, the self, personal identity, neuroscience, cognitive psychology, artificial intelligence, and cognitive ethology.

PHIL 6990 Teacher Orientation and Practicum (0 semester hours)

Credit/No Credit only.

PHIL 6995 Oral Examinations (0 semester hours)

Credit/No Credit only.

PHIL 6998 Special Studies (1-3 semester hours)**PHIL 6999 Independent Studies (1-3 semester hours)****PHYS 490 Physics Teaching (1-2 semester hours)**

Guided teaching of introductory physics.

Permission of instructor required.

May be repeated for credit.

PHYS 498 Special Studies (1-4 semester hours)**PHYS 499 Independent Studies (0-4 semester hours)****PHYS 1000 Thinking in Science (3 semester hours)**

Enhancement of scientific reasoning. Topics include: identify and control of variables, deductive and inductive reasoning, proportional reasoning, analysis of scientific data, and problem solving.

PHYS 1100 Introduction to Mechanics (4 semester hours)

Vectors, Newton's laws of motion, work and energy, impulse and momentum, rotation, angular momentum, static equilibrium, harmonic motion. May include a brief introduction to quantum mechanics. Laboratory experiments pertaining to mechanics. Measurement, estimation, and uncertainty. Projectile motion, Newton's laws, friction, torque.

Prerequisites: MATH 131 or concurrent enrollment.

PHYS 1200 Computational Lab (2 semester hours)

Introduction to computation and measurement software commonly used in physics and engineering, such as MATLAB, Mathematica, Maple, Python, and LabVIEW. Basic computational techniques in physics: root-finding, numerical integration, curve fitting, numerical solutions to differential equations, the Fourier transform. Introduction to controlling experimental equipment and collecting data with computers.

Prerequisites: PHYS 1100 or concurrent enrollment, and MATH 131 or concurrent enrollment.

Physics and Applied Physics majors only.

PHYS 1600 Waves, Optics, and Thermodynamics (4 semester hours)

An introduction to mechanical waves, optics, and thermodynamics with an emphasis on applications to the modern world. Topics include: the wave equation, superposition, standing waves, ray-tracing, reflection, refraction, thin lenses, polarization, interference, diffraction, thin films, wave-particle duality of light, laws of thermodynamics, kinetic theory of gases

Physics and Applied Physics majors only.

PHYS 1998 Special Studies (1-4 semester hours)**PHYS 1999 Independent Studies (1-4 semester hours)****PHYS 2100 Introduction to Electricity and Magnetism (4 semester hours)**

Electrostatics. Current, resistance, and D.C. circuits. Magnetism. Induced electromotive force. Electric and magnetic properties of matter. Maxwell's equations. Laboratory experiments pertaining to electricity and magnetism. Coulomb's Law, static electricity, electric field plotting, circuits, charge/mass ratio for electron.

Prerequisites: PHYS 1100; MATH 132 or concurrent enrollment.

PHYS 2200 Intermediate Mechanics (4 semester hours)

Newtonian mechanics. General motion of a particle in three dimensions. Oscillations. Non-inertial coordinate systems. Central forces. Systems of particles. Motion of rigid bodies in two and three dimensions. Introduction to Lagrangian and Hamiltonian dynamics. Numerical techniques for solving mechanics problems.

Prerequisites: PHYS 1100; MATH 246 or concurrent enrollment.

PHYS 2500 General Physics I (4 semester hours)

Vectors. Kinematics. Newton's laws of motion, energy, momentum, rotational motion, and harmonic motion. Fluid mechanics. Heat and thermodynamics. Laboratory experiments pertaining to mechanics, thermodynamics, and fluid mechanics.

Lecture, 3 hours; Laboratory, 2 hours.

Prerequisite: MATH 112 or MATH 122 or MATH 131 or concurrent enrollment.

NOTE: THE PHYS 2500-2550 series is suitable for biology and chemistry majors and others desiring a college-level experience in physics. This series is not acceptable for credit in the physics or engineering programs.

PHYS 2550 General Physics II (4 semester hours)

Electrostatics. Magnetism. Current, D.C. circuits. Electromagnetic waves. Geometrical and wave optics. Relativity. Nuclear physics. Laboratory experiments pertaining to electricity, magnetism, and optics.

Prerequisite: PHYS 2500.

PHYS 2600 Foundations of Modern Physics (4 semester hours)

An introduction to special relativity (SR) and quantum mechanics (QM). Selected topics include (SR) frames of reference, Minkowski diagrams and space time structure, causality, Lorentz transformations, four-vectors and Lorentz invariants, relativistic conservation laws. (QM) failures of classical theory, wave-particle duality, models of the hydrogen atom, emission spectra, the Heisenberg uncertainty principle, wave functions and probability, the Schrodinger equation.

Prerequisites: PHYS 2100 or PHYS 2550; MATH 246 or concurrent enrollment.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

PHYS 2710 Astronomy (3 semester hours)

Understanding the universe. Topics include: history of astronomy, solar system, stars, galaxies, evolution of the universe.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher. University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

PHYS 2780 Great Ideas in Physics (3 semester hours)

Principles of physics with an emphasis on conceptual understanding. Physics as a human activity.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher. University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics, Flag: Quantitative Literacy.

PHYS 2998 Special Studies (1-4 semester hours)**PHYS 2999 Independent Studies (1-4 semester hours)****PHYS 3100 Electrodynamics (4 semester hours)**

Electric and magnetic fields, Dielectric materials, Poisson's equation, Boundary value problems, Field energy, Vector potential, Faraday's law, Maxwell's equations.

Prerequisites: PHYS 2100, MATH 356 or concurrent enrollment.

PHYS 3200 Quantum Mechanics (4 semester hours)

Schrodinger equation in various one-and three-dimensional systems, Dirac notation and Hilbert space; position and momentum representations; uncertainty relations, quantum harmonic oscillator, angular momentum and spin, perturbation theory.

Prerequisites: PHYS 2600, MATH 246 or concurrent enrollment.

PHYS 3300 Thermodynamics and Statistical Mechanics (4 semester hours)

Classical thermodynamics, applications to simple systems. Kinetic theory and the approach to equilibrium. Statistical interpretation of entropy, the Laws of Thermodynamics. Classical statistical mechanics. Quantum statistics. Systems of interacting particles.

Prerequisite: PHYS 2600, MATH 246.

PHYS 3400 Advanced Laboratory (4 semester hours)

Experiments in modern physics and optics. Emphasis is placed on instrumentation, data acquisition, programming applications, theoretical interpretations, statistical analysis, and communication of results through written and oral reports.

Prerequisites: PHYS 2600, MATH 246.

University Core Fulfilled: Engaged Learning Flag.

PHYS 3740 Weapons of Mass Destruction (3 semester hours)

Scientific principles underlying nuclear weaponry, including basic atomic theory, fission, and fusion; quantifying effect of nuclear explosions; exploring the history, development, and use of nuclear weapons, including potential nuclear terrorism scenarios; social, political, and ethical ramifications of the nuclear arms race and the Cold War.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher. University Core fulfilled: Integrations: Interdisciplinary Connections, Flag: Quantitative Literacy.

PHYS 3800 Junior Project (1 semester hour)

Students develop and propose a research project; students must complete a written proposal, literature search, and oral presentation.

Junior or Senior PHYS and APHY majors only.

PHYS 3998 Special Studies (1-4 semester hours)**PHYS 3999 Independent Studies (1-3 semester hours)**

PHYS 4100 Space Physics (4 semester hours)

An introduction to solar-terrestrial physics. Topics include the physics of space plasmas and single fluid magnetohydrodynamics, solar physics, solar winds, collisionless shocks, ionospheres, aurorae, space weather and geomagnetic storms, pulsations and magnetohydrodynamic waves, and planetary magnetospheres. Emphasis on the impacts of space weather on society. Data analysis techniques used in space physics research. Research project on current space physics topics.

Prerequisites: MATH 234 and PHYS 2600.

PHYS 4150 Condensed Matter Physics (4 semester hours)

An introduction to the physics of matter and the relationships between fundamental atomic interactions and observable macroscopic properties (structure, dynamics and phases) that arise from atoms' collective behavior. Topics include: crystal structure, mechanical and thermal properties, free electron Fermi gas, energy band structure, semiconductors and their applications, superconductors, magnetic properties, phase transitions, soft matter systems (such as liquids, polymers, granular materials, liquid crystals).

Prerequisite: PHYS 3200, PHYS 3300.

PHYS 4200 Astrophysics (4 semester hours)

Orbital mechanics, Earth-Moon system, solar system, electromagnetic radiation and matter, astronomical detection of light, stellar properties, nuclear fusion, Milky Way Galaxy, cosmology.

Prerequisites: PHYS 2100 and PHYS 2600.

PHYS 4250 Modern Optics (4 semester hours)

Application of Maxwell's equations to electromagnetic waves in free space and in matter. Applied geometrical optics, Fourier analysis, polarization, interference and diffraction, coherence theory, lasers, holography, topics in modern optics such as nonlinear optics and quantum optics.

Prerequisite: PHYS 3100.

PHYS 4300 Biophysics (4 semester hours)

Application of physical laws to biological structure and function at the molecular and macroscopic levels: protein dynamics, diffusion, membranes, biomechanics, circulatory system, hearing and vision, radiation.

Prerequisite: PHYS 3300.

PHYS 4350 Elementary Particle Physics (4 semester hours)

Symmetries and conservation laws. Feynman diagrams and rules. Quantum electrodynamics. The parton model. Quantum chromodynamics. Weak interactions and electroweak unification. Gauge theories and the Standard Model. Particle physics beyond the Standard Model. Approaches to quantum gravity and their implications.

Prerequisite: PHYS 3200.

PHYS 4400 Introduction to Relativity and Cosmology (4 semester hours)

Review of Special Relativity. Differential geometry, tensor analysis and curvature. The Equivalence Principle and Einstein's field equations. The Schwarzschild solution and Black Holes. Gravitational waves. Kruskal-Szekeres coordinates and Penrose Diagrams. The standard model of Cosmology and Friedmann-Robertson-Walker metrics. The Friedmann equation and the cosmological constant. Inflation, Dark Matter, Dark Energy, and other problems of current cosmology. Black hole thermodynamics. Alternative theories of gravity and their implications for astrophysics, cosmology, and quantum gravity.

Prerequisite: PHYS 2600, MATH 246.

PHYS 4450 Geophysical and Astrophysical Fluid Dynamics (4 semester hours)

Physics of the atmospheres and oceans of the Earth and other astrophysical bodies; equations of geophysical fluid motion; atmospheric and oceanic convection and circulation; global energy balance, climate evolution and variability, and the greenhouse effect.

Prerequisite: PHYS 2600, MATH 234 or concurrent enrollment.

PHYS 4800 Capstone Experience (2 semester hours)

Preparation for life after graduation, including graduate school, work in industry, and teaching. Colloquia, journal reading, and seminars on topics in contemporary physics, scientific ethics, scientific writing, and presentation skills.

Prerequisite: PHYS 3800

Enrollment is limited to Physics/Applied Physics seniors only.

PHYS 4810 Senior Thesis (1 semester hour)

Independent research with a faculty member in his/her area of expertise; students must complete a written thesis and oral presentation.

Prerequisite: PHYS 4800

Enrollment is limited to Physics/Applied Physics seniors only.

PHYS 4900 Physics Teaching (1-2 semester hours)

Guided teaching of introductory physics.

May be repeated for credit.

Requires consent of instructor.

Engaged Learning Flag.

PHYS 4993 Physics/Applied Physics Internship (1-3 semester hours)

Research/development work conducted in a local government or industrial laboratory. The project may be theoretical or experimental and is jointly supervised by on-site staff and LMU faculty.

PHYS 4998 Special Studies (1-4 semester hours)**PHYS 4999 Independent Studies (0-4 semester hours)**

PJST 1000 Introduction to Peace and Justice Studies (4 semester hours)

This course introduces students to the study of peace and justice, drawing on theories and practices from interdisciplinary perspectives. It aims to cover the development of the academic discipline of peace and justice studies as well as the histories and ethical dilemmas of non-violent social action and civil disobedience.

Required for all minors.

University Core fulfilled: Explorations: Understanding Human Behavior.

PJST 3800 Peace and Justice Internship (1-4 semester hours)

The academic component of a supervised internship in a peace and justice organization.

PJST 3998 Special Studies (1-4 semester hours)**PJST 3999 Independent Studies (1-4 semester hours)****PJST 5900 Peace and Justice Senior Thesis (4 semester hours)**

The senior thesis provides the opportunity for students to complete a substantive research project to culminate their study of Peace and Justice.

Senior standing required.

Permission of PJST Director required. The student must also obtain the written approval of the faculty supervisor the semester prior to writing the thesis.

POLS 1200 U.S. Politics (4 semester hours)

An overview of the major political processes in American life.

University Core fulfilled: Explorations: Understanding Human Behavior.

POLS 1400 Comparative Politics (4 semester hours)

Analyzes political institutions and policies in democratic and authoritarian countries. Combines conceptual understanding with case studies from Europe, Africa, Asia, and Latin America.

University Core fulfilled: Explorations: Understanding Human Behavior.

POLS 1600 International Relations (4 semester hours)

This course provides an introduction to the field of international relations, with an emphasis on state and non-state behavior in explaining international cooperation and conflict.

University Core fulfilled: Explorations: Understanding Human Behavior.

POLS 1810 Political Science Learning Community I (1 semester hour)

This course introduces students to the opportunities of the Political Science and International Relations Department and the University and helps them to reflect critically and creatively on the beginning of their college experience through a series of workshops and individual exercises.

POLS 1820 Political Science Learning Community II (1 semester hour)

A continuation of POLS 1810, this course introduces students to the opportunities of the Political Science and International Relations Department and the University and helps them to reflect critically and creatively on the beginning of their college experience through a series of workshops and individual exercises.

POLS 1998 Special Studies (1-4 semester hours)**POLS 1999 Independent Studies (1-4 semester hours)****POLS 2000 Foundations of Political Theory (4 semester hours)**

Introduction to the major concepts and theories that lay the foundation for contemporary governments. Writing intensive.

Prerequisite: POLS 1200, POLS 1400, or POLS 1600.

Students should complete this class in their sophomore year.

POLS 2001 Foundations of International Political Theory (4 semester hours)

Introduction to the major concepts and theories that lay the foundation for contemporary international politics. Writing intensive.

Prerequisite: POLS 1200, POLS 1400, or POLS 1600.

Students should complete this class in their sophomore year.

POLS 2100 Empirical Approaches (4 semester hours)

This course introduces the assumptions of the scientific approach in the study of politics, the process of concept formation, and research design. Includes data analysis laboratory sessions.

Prerequisite: POLS 1200, POLS 1400, or POLS 1600.

Students should complete this class in their sophomore year.

POLS 2998 Special Studies (1-4 semester hours)**POLS 2999 Independent Studies (1-4 semester hours)****POLS 3010 Classical and Christian Political Theory (4 semester hours)**

A survey of Western political thought from ancient Greece through the Renaissance.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 3020 Modern Political Theory (4 semester hours)

A survey of Western political thought from the Renaissance through the 19th century.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 3030 Contemporary Political Theory (4 semester hours)

A survey of 20th century and 21st century political thought.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 3040 American Political Thought (4 semester hours)

A study of the origin and development of liberal democracy from Hobbes and Locke to contemporary American thinkers and groups.

Prerequisite: POLS 2000.

POLS 3050 Critical Race Theory (4 semester hours)

This course takes up the question of race and politics through the lens of critical theory, legal theory, and political philosophies of race and difference.

Prerequisite: POLS 2000 or AFAM 1211 or CHST 1116.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 3060 Marx and Marxism (4 semester hours)

An examination of the Marxist contribution to socio-political thought from Marx to the current era.

Prerequisite: POLS 2000.

POLS 3070 Political Violence (4 semester hours)

Political violence is ubiquitous in the modern world. In this class we will probe the causes, consequences, and structural dynamics of violence undertaken for political purposes. We will do so through a series of modules structured around different species of violence: riots and pogroms, protest and state repression, terrorism and fanaticism, ethnic cleansing and genocide, conquest and warfare, revolution and counter-revolution. Our study of political violence will involve engaging scholarship in the social sciences as well as memoirs, films, testimony from victims and perpetrators, as well as legal and philosophical debates around killing, harm, justice, and humanity.

POLS 3080 Ethics of Public Life (4 semester hours)

This course explores the ethics of public life: both how individuals may act responsibly and ethically within institutional contexts, and how institutions can be designed so as to promote ethical aims more reliably and effectively.

POLS 3210 Congressional Politics (4 semester hours)

A study of the workings of the U.S. Congress with an emphasis on the legislative process. Course is primarily conducted as a simulation of either the House or Senate.

University Core fulfilled: Flags: Engaged Learning.

POLS 3220 Presidency (4 semester hours)

A study of the powers, process, and problems of the modern United States presidency.

POLS 3230 Courts, Law, and Society (4 semester hours)

A study of how America's courts really work, focusing on the role of judges, juries, and attorneys.

POLS 3240 Media and Politics (4 semester hours)

This is a class on control of information, covering issues such as censorship, the First Amendment, surveillance, and secrecy. We will cover questions about how to balance values such as freedom of speech against other values such as national security, privacy, public decency, and equity.

POLS 3250 Campaigns and Elections (2 semester hours)

An examination of the electoral process in the United States covering political participation, campaigns, and institutional arrangements at all levels of government.

POLS 3260 Lobbying and Public Policy (1-4 semester hours)

Former Congressional Politics students develop expertise in several areas of public policy and learn the techniques of professional lobbyists.

Prerequisite: POLS 3210.

POLS 3310 Racial and Ethnic Politics (4 semester hours)

Comparative analysis of racial and ethnic groups within the United States political system. A focus on the effect of political institutions on minority groups at federal, state, and local levels. Examines the experience of minority groups to illuminate political process in the U.S.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 3320 Social Movements (4 semester hours)

An analysis of the current issues and controversies facing several civil rights movements.

POLS 3340 Urban Politics (4 semester hours)

Analysis of political institutions and processes in urban areas of the U.S., including policy-making processes, power structures, urban problems, and intergovernmental relations.

POLS 3350 Elderly and the Law (4 semester hours)

A study of the intersection of aging issues with the legal system including advance directives, guardianships, wills and trusts, assisted living arrangements, health care benefits, age discrimination in employment, long term care, and elder abuse.

University Core fulfilled: Flag: Engaged Learning.

POLS 3355 Race and Political Behavior (4 semester hours)

Political behavior includes the study of how the masses develop their political attitudes and decision behind choosing to be involved in politics. In this class, we additionally contend with the notion that race is a central organizing unit and feature in political life. Therefore, the class focuses on the unique factors that shape the political behavior of African Americans, Latino Americans, Asian Americans, and White Americans. We uncover how unique individual experiences on the basis of race shape political behavior outcomes.

POLS 2100 strongly recommended.

POLS 3360 Identity Politics (4 semester hours)

Race, gender, class, sexuality, religion and where you are from all uniquely influence the ways in which people engage in politics in the United States. How do we explain the ways intersecting identities impact political preferences?

POLS 3380 Privacy, Media, and Law (4 semester hours)

This is a class on control of information, covering issues such as censorship, the First Amendment, surveillance, and secrecy. We will cover questions about how to balance values such as freedom of speech against other values such as national security, privacy, public decency, and equity.

POLS 3410 Politics of Africa (4 semester hours)

An analysis of the problems and prospects for political, economic, and social development in Africa south of the Sahara.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 3420 Political Dynamics of East Asia: Greater China, Japan, and the Koreans (4 semester hours)

Northeast Asia is one of the most economically dynamic and politically fraught regions in the world. This course introduces students to the political systems of the region focusing on China, Japan, the Koreans, and Taiwan.

Prerequisite: POLS 1400.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 3425 Japanese Society and Politics (4 semester hours)

This course delves into Japan's modern transformations focusing particularly on the period since World War II to understand the origins and development of Japan's political and economic institutions, the evolving nature of Japanese society, and the domestic and international challenges facing the nation.

POLS 3430 Politics of Latin America (4 semester hours)

Analyzes political institutions and processes in Latin America. Emphasizes current political and economic challenges to democratic consolidation in the region.

Prerequisite: POLS 2100.

POLS 3440 Politics in the Middle East (4 semester hours)

An overview and analysis of the major patterns and problems in political development and life in the Middle East and North Africa from a cross-national perspective.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

POLS 3445 Politics of Modern Israel (4 semester hours)

This course is an in-depth study of the politics and history of contemporary Israel.

POLS 3480 U.S.-British Politics (4 semester hours)

A comparative study of political systems of the United States and Great Britain.

POLS 3481 British Government (4 semester hours)

An examination of the political system of the United Kingdom (offered as part of the ILS/UK Parliamentary Fellowship).

POLS 3482 British Public Policy (4 semester hours)

An examination of the public policy process of the United Kingdom (offered as part of the ILS/UK Parliamentary Fellowship).

POLS 3490 British Life and Visual Media (3 semester hours)

What is the British identity? How do the British people reflect this identity in its television, film and visual arts? How have the developments in Visual Media impacted cultural growth in the UK and abroad? How is British culture perceived when Visual Media is exported overseas? Students taking this course will examine issues of cultural identity as reflected by British film, television, photography and the visual arts.

London FIE Study Abroad Program.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 3510 Politics of Development (4 semester hours)

An analysis of the various theoretical approaches to understanding the political economy of developing nations and the empirical consequences of development strategies.

POLS 3620 International Security (4 semester hours)

A survey of challenges to security and peace in modern international relations, such as war, the nuclear peril, terrorism, revolution, ecological dangers, economic pressures, and sociodemographic crises.

Prerequisite: POLS 1600.

POLS 3630 Peace and Reconciliation (4 semester hours)

A survey of peace and conflict resolution processes in various international contexts.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

POLS 3640 European Politics (4 semester hours)

The course provides an overview of post-WWII European politics. It analyzes European political systems and institutions, politics and society in Europe, and the history and institutions of the European Union, with a particular focus on western Europe.

POLS 3650 United States Foreign Policy (4 semester hours)

Analysis of recent United States foreign policy with a focus on the policy making and implementation process.

POLS 3660 Model United Nations (1 semester hour)

This course is designed for students who are preparing for the MUN conference. Model UN is designed to acquaint students with the operations of the United Nations through the study of political positions of member nations. Students will learn the rules of procedure, the art of diplomacy, negotiating skills, and public speaking.

This course is repeatable one time for degree credit.

POLS 3670 Theories of International Relations (4 semester hours)

This course critically examines maritime and territorial disputes in East Asia from an interdisciplinary perspective.

POLS 3680 International Diplomacy (3 semester hours)

Henry Kissinger once said "Diplomacy is the art of restraining power," but what role does this art play on an international level? How are the interests of large economic states reconciled effectively with those of developing countries? This course covers in some detail the work of diplomatic missions in the execution of foreign policy and their organization to accomplish that work.

London FIE Study Abroad Program.

POLS 3800 Internship (4 semester hours)

This course is designed to combine students' experiences working in a political internship with academic coursework. Students are responsible for finding their own internships, but help is offered prior to the start of the semester. At the end of the semester, students are expected to complete a final project related to both their internship and coursework.

University Core fulfilled: Flag: Engaged Learning.

POLS 3810 Washington Internship (1-8 semester hours)

The academic component of a supervised internship in Washington, D.C.

Credit/No Credit only.

POLS 3820 Washington, D.C. Politics (4 semester hours)

A part of The Washington Center academic internship program, this course is a comprehensive reflective examination and evaluation (in portfolio format) of the student's academic and internship experience. Students will also take an additional course on Political Process at the Washington Center as part of the academic internship program.

POLS 3830 British House of Commons Internship (1-8 semester hours)

The academic component of a supervised internship in the British House of Commons (offered as part of the Hansard Fellowship).

Credit/No Credit only.

POLS 3840 Directed Internship: London Abroad (3 semester hours)

An internship in London while on FIE study abroad.

Course offered only on London FIE Study Abroad Program.

University Core fulfilled: Flag: Engaged Learning.

POLS 3850 Politics and Film (4 semester hours)

An exploration of political themes as presented in movies.

POLS 3900 Special Studies in Political Theory (1-4 semester hours)**POLS 3920 Special Studies in U.S. Politics (1-4 semester hours)****POLS 3940 Special Studies in Comparative Politics (1-4 semester hours)****POLS 3960 Special Studies in International Politics (1-4 semester hours)****POLS 3980 Research Assistantship (1-2 semester hours)**

In this one to two unit course, the student will have the opportunity to work closely with a professor on a research project in political science or international relations, either independently or collaboratively. In this capacity, the student will receive training in data collection, how to analyze and interpret the results from data, how to perform appropriate literature reviews, and/or how to edit articles in political science or international relations. The student will also be assessed at various stages of the course using suitable techniques such as weekly meetings, assignments, and a written report.

Prerequisites: POLS 2100.

POLS 3985 Teaching Assistantship (1-2 semester hours)

In this one-to-two-unit course, the student will have the opportunity to work closely with a professor in a class taught in the Department of Political Science and International Relations. In this capacity, the student will receive training in developing instructional materials, facilitating discussion, and providing support to students to understand the assigned materials. While not in charge of the following, the student will also gain valuable skills on how to prepare a syllabus, develop lesson plans, and rehearse lectures.

POLS 3995 Careers for POLS/IRLT students (2 semester hours)

The course will present possible after-college careers for students majoring in political science and international relations. The course is designed to help students articulate their career goals and develop application materials for internships and full-time jobs. Students benefit from exposure to alumni and guest speakers representing a range of careers and from collaborations with other campus institutions.

POLS 3998 Special Studies (1-4 semester hours)**POLS 3999 Independent Studies (0-4 semester hours)****POLS 4010 Ethics, Politics, and Policy (4 semester hours)**

An examination of the ethical dimensions of political action and public policy. The course combines theoretical analyses and case studies.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 4020 Ethics of War (4 semester hours)

An examination of the ethical dimensions of military and political action, with special attention to just war theory and its applicability to today's world. The course combines theoretical analyses and case studies.

Prerequisite: POLS 2000.

Fulfills INT: Ethics and Justice.

POLS 4030 Punishment and Mercy (4 semester hours)

This course explores theoretical and practical challenges to reconciling effective and just social punishment with the virtue of mercy.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 4040 Political Rhetoric (4 semester hours)

An examination of how rhetoric shapes political life and social goals. This course analyzes how the structure and content of arguments helps to create political narrative and guide political action.

POLS 4100 Advanced Empirical Methods (4 semester hours)

This course introduces advanced techniques in the empirical study of politics.

Prerequisite: POLS 2100.

Students who intend to employ advanced methods in their senior thesis should plan to take this class their junior year.

POLS 4210 United States Constitutional Law: Case Method I (4 semester hours)

Judicial, executive, and legislative power; individual rights.

POLS 4220 United States Constitutional Law: Case Method II (4 semester hours)

Freedom of Speech and Equal Protection.

POLS 4250 Public Policy Analysis (4 semester hours)

An examination of the processes by which public policy is formulated, implemented, and evaluated. Emphasis will be placed on policy planning and evaluation competencies.

POLS 4300 Political Psychology (4 semester hours)

A study of the relationship between selected psychological and social-psychological characteristics of individuals and political behavior.

POLS 4310 Latina/o Politics (4 semester hours)

This course will provide a general survey of Latino/a politics in the United States. Using readings from across disciplines, students will be introduced to the concepts and methods used to study and analyze Latino/a Politics in the United States.

POLS 4330 Gender and Politics (4 semester hours)

An analysis of the issues and topics resulting from the intersection of gender with the political system.

POLS 4360 Public Opinion and American Culture (4 semester hours)

An examination of public opinion and political participation in terms of their development, trends, measurement, and influencing factors.

POLS 4380 Politics of California (1-4 semester hours)

An examination of the structure and dynamics of California government and politics. The role of elections, government institutions, economic and social trends will all be examined. Students also participate in the Sacramento Legislative Seminar: a three-day trip to the state capitol where they will have the opportunity to engage with elected officials, staffers, lobbyists, consultants, and journalists through moderated panel discussions.

POLS 4390 Politics of Los Angeles (4 semester hours)

A study of the structure and dynamics of county, city, and special district governments in the Los Angeles metropolitan area. There will be an emphasis on theoretical and historical perspectives, formal governmental structures, contemporary policies and current elections. Local government will also be placed in a federal and state context. Public opinion analysis will be extensively used.

POLS 4440 Politics of the Middle East through Film (4 semester hours)

This course surveys the history, economics, and politics of the Middle East and North Africa through film. It examines salient cultural, economic, and political issues in the region through film. The course examines explanations from various disciplines and compares these with empirical evidence to make informed arguments about contemporary and historical social and political issues in the Middle East and North Africa.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 4510 Global Slavery, Abolition, Modern Slavery (4 semester hours)

The first part of this course examines historical slavery and global abolition. The second part of the course concentrates on modern slavery and its eradication.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 4650 The Politics of the Global Economy (4 semester hours)

This course looks at how politics has shaped the modern global economy and how these global forces are re-shaping the relationship between states, markets, and society.

Prerequisite: POLS 1600.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 4710 International Law (4 semester hours)

Focus on some of the major doctrines of international law and the processes of making and implementing law in the contemporary international system.

POLS 4720 Global Human Rights (4 semester hours)

This course introduces students to human rights issues around the world, with particular attention paid to international actors, such as the United Nations, that seek progress in this arena.

POLS 4750 Foreign Policy Analysis (4 semester hours)

This course will focus on the foreign policy of states, with particular attention to decision making and policy planning models.

POLS 4760 International Organization (4 semester hours)

This course surveys the history, politics, philosophy, and functions of international organizations.

POLS 4800 Political Leadership (4 semester hours)

A study of the sources and uses, limits and possibilities of leadership in the political arena. The course focuses on leadership and followership in political systems across cultures and systems but focuses on the United States.

POLS 4900 Special Studies in Political Theory (1-4 semester hours)**POLS 4920 Special Studies in U.S. Politics (1-4 semester hours)****POLS 4940 Special Studies in Comparative Politics (1-4 semester hours)****POLS 4960 Political Violence and Terrorism (4 semester hours)**

This course explores the nature of political violence with a central focus on civil war and terrorism. It examines the major theories political scientists have generated to explain the development and outcomes of political violence, including what motivates people to participate, why violent groups adopt particular strategies, and how governments engage and respond.

Prerequisite: POLS 1600.

POLS 4998 Special Studies (1-4 semester hours)**POLS 4999 Independent Studies (1-4 semester hours)****POLS 5000 Political Science Senior Assessment (0 semester hours)**

This is a zero-semester-hour course, required for graduation, which includes an assessment of program learning outcomes, a senior exit interview, and possible additional program evaluation.

Political Science majors only.

Credit/No Credit only.

POLS 5010 Political Ethics (4 semester hours)

This seminar examines how ethical principles can be applied to the realities of political action and public life.

Prerequisite: POLS 2000.

Juniors and seniors only.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 5030 Detention and Incarceration (4 semester hours)

A seminar examining the theory and practice of punishment in the form of detention and incarceration, and how these contribute to defining contemporary understandings of individual agency and of the modern democratic state.

Prerequisite: POLS 2000.

Juniors and seniors only.

POLS 5040 Democratic Theories (4 semester hours)

Democratic Theory is a seminar course that will give students an opportunity to study the history and theory of democratic politics. We will study the history and philosophy of democracy, as well as contemporary essays, films, and journalism that seek to understand the meaning of democracy in our own time. Our study of democracy will involve the study of its many institutional forms, the various mechanism by which the will of the "people" (demos) is said to be enacted, and its relationship to modern ideologies like liberalism, conservatism, and socialism. In doing so, we will ask fundamental questions about the function of democracy as a political ideal, its relationship to other ideals such as freedom, equality, and liberality, why participation by the people matters, and how (if at all) democratic institutions can address the many crises facing our societies today.

Restrictions: Juniors and Seniors only.

POLS 5330 Politics of Immigration (4 semester hours)

This course is designed to provide students with a critical introduction to the Politics of Immigration. In order to understand why immigration is such an important process we must first understand how nations are developed. Therefore, we must first grapple with a theoretical understanding of who we are as nation and, more importantly, who we want to be. In this course we will examine how governmental institutions, political actors, and socio-political processes have both shaped and responded to immigration to the United States from the beginning of the Republic, but with an emphasis on the post- 1965 period. From discussions of a melting pot society to taxpayer concerns, this course will help us understand the myths, concerns, and policies that shape our knowledge of immigration, citizenship, and membership in the United States.

Juniors and seniors only.

POLS 5360 Gender and the Law (4 semester hours)

This course focuses on the evolution and current situation of how gender and related issues fare in the legal system, including domestic violence, child custody, reproductive rights, marriage and divorce, domestic partnerships, education, employment, sexual harassment, prostitution, pornography, and gender identity.

Juniors and seniors only.

POLS 5370 First Amendment (4 semester hours)

The paper-based seminar examines the law and theory of the First Amendment, especially freedom of expression. Topics include censorship of social media, limits on free expression such as threats, hate speech, obscenity, and misinformation, as well as free speech in educational settings. It is a challenging course in which students will be exposed to controversial ideas and language.

Juniors and seniors only.

POLS 5420 Rivalry and Cooperation in East Asia (4 semester hours)

What does the future hold for East Asia? This course explores this question by looking at a confluence of trends: the rise of China which is reviving tensions, unresolved historical tensions, growing economic interdependence, and the role of the U.S. in the region.

Prerequisites: POLS 1400 or POLS 1600; POLS 2100.

Juniors and seniors only.

POLS 5515 Food Politics (4 semester hours)

Examines food poverty and domestic food policy, industrial animal farming and the ethics of eating animals, environmental sustainability, vertical farming, and global hunger. Discussion-based course that includes critical thinking and writing workshops, weekly written assignments, a multi-staged research paper, and a presentation.

Prerequisite: POLS 2100.

Juniors and seniors only.

POLS 5600 Theories of International Relations (4 semester hours)

This course critically examines important debates and topics in international relations, through theoretical and empirical lenses. In this course, each student will also conduct original research in the field of international relations.

Prerequisite: POLS 1600.

Juniors and seniors only.

POLS 5610 Politics of Peace (4 semester hours)

Wars and conflicts, and how they are resolved, have been some of the most important formative events in the past centuries and affect contemporary global politics. Since the end of the Second World War, there has been a marked decline in conflicts between states, while conflicts within states and the prospect of states' collapse into war or anarchy has become a paramount problem in global politics. Ending these types of conflicts has proven particularly difficult, not least because warring societies must find ways to return to living together. This course covers the ways in which these conflicts can be understood and resolved. The main subjects covered include understandings of violence and peace, the role of peacekeepers, processes of negotiation and mediation, peacebuilding practices, post-conflict state- and institution-building, transitional justice, and the ethics of peace. The purpose of this course is to provide students with skills and concepts to analyze conflict resolution, which students will use to complete independent original research projects.

Juniors and seniors only.

POLS 5700 International Relations Senior Assessment (0 semester hours)

All students who will have completed 100 hours or more by Spring semester are required to enroll in POLS 5700. This is a zero-semester-hour course, required for graduation, which includes an assessment of program learning outcomes, a senior exit interview, and possible additional program evaluation.

International Relations majors only.

Credit/No Credit only.

POLS 5710 International Affairs and Social Justice (4 semester hours)

This course is designed to expose students to issues in international affairs in terms of ethics and social justice. Internship in International Social Justice organization required 6-10 hours/week.

Prerequisites: POLS 1600 and POLS 2100.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Engaged Learning.

POLS 5720 Comparative Human Rights (4 semester hours)

Examines the tension between human rights and national sovereignty and analyzes how international norms are changing the domestic protection of human rights. Explores how human rights are defined and derived, surveys the historical development of human rights law, and studies enforcement mechanisms and international tribunals.

Junior and senior Political Science and International Relations majors only.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 5730 Ethics and Peacebuilding (4 semester hours)

This course explores the ethical challenges that arise in peacebuilding in post-conflict societies. It examines major ethical theories in order to help inform our thinking about various peacebuilding dilemmas. These challenges permeate all aspects of peacebuilding, from decision making to implementing policies on the ground. For example, who should be primarily responsible for rebuilding the peace and how should we decide which policies are best?

Prerequisite: POLS 1600.

Political Science and International Relations majors and minors only.

University Core fulfilled: Integrations: Ethics and Justice.

POLS 5740 Law of War (4 semester hours)

This course explores the law of war in the international system.
Location: Loyola Law School Campus.

Juniors and seniors only.

POLS 5750 Global LGBTQ Politics, Rights and Representation (4 semester hours)

The course explores LGBTQ rights and representation in the United States and around the world. It examines the role that activists, social movements, elected officials, and voters have in driving change for LGBTQ people. In so doing, it analyzes the impact of the descriptive representation of LGBTQ people on public policy, legislation, and social change.

Juniors and seniors only.

POLS 5760 Political Violence (4 semester hours)

Political violence is ubiquitous in the modern world. In this class we will probe the causes, consequences, and structural dynamics of violence undertaken for political purposes. We will do so through a series of modules structured around different species of violence: riots and pogroms, protest and state repression, terrorism and fanaticism, ethnic cleansing and genocide, conquest and warfare, revolution and counter-revolution. Our study of political violence will involve engaging scholarship in the social sciences as well as memoirs, films, testimony from victims and perpetrators, as well as legal and philosophical debates around killing, harm, justice, and humanity.

Restrictions: Juniors and Seniors only.

Standard Letter Grade

POLS 5800 Honors Seminar (4 semester hours)

A particularly challenging senior seminar for students contemplating graduate work. Also provides preparation for writing a senior thesis.

Prerequisites: POLS 2000, POLS 2100.

Juniors and seniors only.

Permission of instructor required.

POLS 5810 Honors Thesis (4 semester hours)

This is an opportunity for Honors-Eligible students to complete a substantive research project to qualify for Departmental Honors.

Prerequisite: POLS 5800.

POLS 5820 Senior Thesis (4 semester hours)

The senior thesis provides the opportunity for students to complete a substantive research project to culminate their study of Political Science.

Prerequisites: POLS 2100 and permission of department chairperson.

The student must also obtain the written approval of the faculty supervisor the semester prior to writing the thesis.

Senior standing required.

POLS 5850 Politics in Shakespeare (4 semester hours)

Examines political ideas and themes in the plays of William Shakespeare.

Juniors and seniors only.

POLS 5900 Special Studies in Political Thought (1-4 semester hours)

Prerequisite: POLS 2000.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

POLS 5920 Special Studies in U.S. Politics (1-4 semester hours)

Prerequisites: POLS 1200 and POLS 2100.

Juniors and seniors only.

POLS 5940 Special Studies in Comparative Politics (1-4 semester hours)

Prerequisites: POLS 1400 and POLS 2100.

Juniors and seniors only.

POLS 5950 Special Studies in International Relations (4 semester hours)

Special Studies in International Relations

Prerequisites: POLS 1600, POLS 2100.

Juniors and seniors only.

POLS 5960 Humanitarian Aid and Intervention (4 semester hours)

This seminar introduces students to theoretical and practical issues concerning humanitarian intervention, including the concept and history of intervention, its political and moral dilemmas, and ways forward. It examines challenges stemming from great power politics, tensions between sovereignty and responsibility, political dimensions of humanitarian aid, the growth of "war economies," and controversies surrounding the meaning, legality, and implementation of the Responsibility to Protect (R2P).

Prerequisite: POLS 1600.

Juniors and seniors only.

POLS 5998 Special Studies (1-4 semester hours)

Juniors and seniors only.

POLS 5999 Independent Studies (1-4 semester hours)

Juniors and seniors only.

PROD 101 Production Bootcamp: The Film Crew at Work (3 semester hours)

This is an intensive introductory course that provides an overview of the film production process and the basics of digital film production. The focus of the course is on the process of collaborative content creation and will consist of lectures, practical labs, and production.

PROD 180 Pre-Production (3 semester hours)

This course is intended to expose students to the complete process of pre-production through a basic understanding of all departments and their roles. The students will learn procedures of Production regarding equipment, safety, and production rules and regulations. The course provides an overview of location scouting, production design, and pre-visualization.

Majors only.

PROD 198 Special Studies (0-4 semester hours)**PROD 199 Independent Studies (0-4 semester hours)****PROD 200 Introduction to Film Production: Making the Short Film (3 semester hours)**

An introduction to the aesthetic and practical problems of communicating visually through motion pictures. Each student is required to produce several movies.

Prerequisites: FTVS 1010 and PROD 101.

Corequisite: PROD 201.

PROD and RECA Majors only.

A grade of B- or better is required.

Insurance fee required.

Lab fee required.

PROD 201 Introduction to Film Production Lab (0 semester hours)

Training in the technical aspects of beginning film production: camera, sound, and lighting.

Corequisite: PROD 200.

PROD 210 Introduction to Documentary Production (3 semester hours)

This is an intensive introductory course that provides an overview of the film production process and the basics of digital film production. The focus of the course is on the process of collaborative content creation and will consist of lectures, practical labs, and production.

International Documentary Production Minors Only.

PROD 225 Film for the Web (3 semester hours)

Students will use film production techniques and visual storytelling processes to create short digital film projects for the web and mobile devices. They will develop their own blog and post their short movies exploring issues of faith, justice, race, gender, sexuality and culture.

University Core fulfilled: Explorations: Creative Experience.

PROD 231 Introduction to Creative Producing (3 semester hours)

This course explores the art of creative producing, familiarizing students with the various aspects of the producing process from idea to large or small screen.

Prerequisites: FTVS 1010 Art of Cinema, PROD 101 Production Bootcamp.

PROD 240 Images of Faith and Justice (3 semester hours)

This course offers students the opportunity to explore faith and justice issues. The course includes a component of Community-Based Learning (CBL).

PROD 250 Introduction to Studio Television Production (3 semester hours)

An introduction to the aesthetic and practical problems of communications in the multi-camera television studio.

Prerequisites: FTVS 1010 and PROD 101.

Lecture and Laboratory, 6 hours.

Majors only.

A grade of B- or higher is required.

Insurance fee required.

Lab fee required.

PROD 298 Special Studies (0-4 semester hours)**PROD 299 Independent Studies (0-4 semester hours)****PROD 322 Documentary Production for Non-majors (3 semester hours)**

Focuses on the production of a digital video documentary project. These documentaries should have a social justice component. It is also to be used as a reflection for students about social issues they have experienced in society.

University Core fulfilled: Explorations: Creative Experience.

University Core fulfilled: Flag: Engaged Learning.

PROD 325 Documentaries for Social Justice (3 semester hours)

This course will connect creative expression with relevant Catholic themes and documents for Social Justice. Students will create their own short documentaries and write a research paper that will address any of themes of social justice.

University Core fulfilled: Integrations: Interdisciplinary Connections.

PROD 326 Intermediate Pre-Production: Producing the Documentary Short (3 semester hours)

This course surveys the theory and practice of writing for the documentary and other forms of non-fiction media in television and film.

Prerequisites: PROD 200 and SCWR 120.

Majors only.

PROD 328 International Documentary Pre-Production (3 semester hours)

This course surveys the theory and practice of writing for the international documentary and other forms of non-fiction media in television and film.

International Documentary Production minors only.

PROD 330 Media Innovation: Small Format Video and the Web (3 semester hours)

Media Innovation is a creative, technical, and critical exploration of the practice of using small-form capture devices (cell phone, digital still camera, etc.) to create media for display on the web and other evolutionary viewing platforms. Each student is required to produce and edit a series of videos for posting on their own videoblog.

University Core fulfilled: Flag: Engaged Learning.

PROD 340 Introduction to Cinematography Non-Fiction (3 semester hours)

An introduction to digital cameras, film stock, lighting, and grip equipment. Location and studio procedures for both sync and non-sync situations.

A grade of C (2.0) or higher is required.

International Documentary Production minors only.

Lecture and lab, 5 hours.

Lab fee required.

Insurance fee required.

PROD 341 Cinematography I (3 semester hours)

An introduction to 16 mm motion picture cameras, film stocks, lighting, and grip equipment. Location and studio procedures for both sync and non-sync situations.

Prerequisite: PROD 200.

Lecture and lab, 5 hours.

Majors only.

A grade of C (2.0) or higher is required.

Insurance fee required.

Lab fee required.

PROD 342 Cinematography II (3 semester hours)

Focused on developing an intermediate level knowledge of a cinematographer's skill sets and knowledge base, Cinematography II will include a greater emphasis on the development of a visual Goal or Look, lighting, gripology, and the practice of various technical aspects of Cinematography.

Prerequisite: PROD 341.

Lecture and lab, 5 hours.

Majors only.

A grade of C (2.0) or higher is required.

Insurance fee required.

Lab fee required.

PROD 355 International Documentary Production (3 semester hours)

Planning, producing, and editing a documentary or experimental video production on actual international locations.

International Documentary Production minors only.

Lecture and lab, 4 hours.

Insurance fee required.

Lab fee required.

PROD 366 Post-Production I (3 semester hours)

Post-production theory and practice as applied to film.

Prerequisite: PROD 200.

Majors only.

A grade of C (2.0) or higher is required.

Lab fee required. A one-time substantial fee for editing supplies to be used in this and subsequent film production courses is required. An additional lab fee for this class is also required.

Insurance fee required.

PROD 367 Editing for Non-Majors (3 semester hours)

Post-production theory and practice as applied to film.

Non-majors only.

Lab fee required. A one-time substantial fee for editing supplied to be used in this and subsequent film production courses is required. An additional lab fee for this class is also required.

Insurance fee.

PROD 368 Production Planning (3 semester hours)

Pre-production theory and practice as applied to film/television. Special emphasis on the latest production facilities and their use.

Prerequisite: PROD 200.

Majors only.

A grade of C (2.0) or higher is required.

PROD 379 Directing I: From Script to Stage (3 semester hours)

Survey of pre-production preparation for directors, including script analysis, casting, visualization, and working with actors.

Prerequisite: PROD 200.

Majors only.

A grade of C (2.0) or higher is required.

Insurance fee required.

Lab fee required.

PROD 380 Music Video Production (3 semester hours)

This course investigates the relationship between the contemporary music video, non-narrative visual representation, and current social issues. With both theoretical and production components, students develop and produce a music video that addresses the needs of an outside client/artist.

Prerequisite: PROD 390 or PROD 392.

PROD 381 Production Design (3 semester hours)

This course requires students to serve as production designer on an intermediate or advanced SFTV student film produced during the same semester, with the course's instructor guiding the production designer and director of the project to establish an effective and unique look and vision for the film.

Prerequisite: PROD 390 or PROD 392.

PROD 390 Intermediate Production: Producing and Directing the Fiction Short (3 semester hours)

Practicum in the production of films from initial concept through post-production. Lectures on professional production procedures are linked to personal experience on an actual film project. Project maximum length, 8 minutes.

Prerequisites: PROD 200, PROD 341, and PROD 379; RECA 250; SCWR 327.

Corequisites: PROD 366 (can be completed prior); RECA 367 (must be taken concurrently).

Majors only.

A grade of B- or higher is required.

Lab fee required.

Insurance fee required.

PROD 392 Intermediate Production: Producing and Directing the Documentary Short (3 semester hours)

Planning, producing, and editing a documentary or experimental video production on actual locations.

Prerequisites: PROD 200, PROD 326, PROD 341, and PROD 379; RECA 250.

Corequisites: PROD 366 (can be completed prior); RECA 367 (must be taken concurrently).

Majors only.

A grade of B- or higher is required.

Lecture and Laboratory, 4 hours.

Insurance fee required.

Lab fee required."

PROD 396 Intermediate Production: Developing and Producing the Fiction Short Film (3 semester hours)

Development of a short fiction film project including fundraising, budgeting, scheduling, previsualization, marketing, and distribution. Includes intermediate techniques in the practice and problems of producing and directing. This course will fulfill your Junior Project requirement in lieu of PROD 390 or 392. Please note, PROD 390 or 392 are prerequisites for directing a PROD 490 or PROD 492 Senior Project. Students completing PROD 396 will take PROD 460 in their Senior Year.

Prerequisites: PROD 200, PROD 341, and PROD 379; RECA 250; SCRW 327.

Corequisites: PROD 366 (can be completed prior); RECA 367 (must be taken concurrently).

Majors only.

A grade of B- or higher is required.

PROD 398 Special Studies (0-4 semester hours)**PROD 399 Independent Studies (0-4 semester hours)****PROD 410 Film/TV Topical Seminar (3 semester hours)****PROD 431 Web Series Development (3 semester hours)**

Students will learn how to develop a digital series, culminating in pitching an original project to a branded web agency. Students will discover how digital content can be a gateway into traditional TV or film and how it has created a new frontier for storytelling through new media.

Prerequisite: PROD 200 or PROD 250.

PROD 433 Developing, Selling, and Monetizing Digital Content (3 semester hours)

This course teaches students how to develop, sell, and monetize digital content. The course explores the various types of digital content and deconstructs their audience and structure, as well as the changing world of television through the development of digital distribution, branded entertainment, and web series.

Prerequisite: PROD 200 or PROD 250.

PROD 435 Film and Television Development (3 semester hours)

This course is designed to enhance students' understanding of the feature film and TV development process while exploring critical concepts and common business practices. This course will educate and inform the student about how best to analyze and then create concepts for TV and film.

Prerequisite: PROD 231 or PROD 298 Intro to Creative Producing.

PROD 438 Film Festivals: Marketing and Distribution of the Indie Film (3 semester hours)

This course will focus on how to think about your film from a marketing perspective in order to help you get your first indie feature film produced, sold, and distributed.

Prerequisites: RECA 367; PROD 366; PROD 390 or 392 or 396.
PROD juniors and seniors only.

PROD 439 Producing Master Class (3 semester hours)

This course explores the art of creative producing, familiarizing students with the various aspects of the producing process from idea to getting a project sold.

Prerequisite: PROD 231 or PROD 298 Intro to Creative Producing

PROD 440 Cinematography III: Practicum for Cinematographers (3 semester hours)

Further studies in the techniques of camera and lighting for film and video.

Prerequisites: PROD 390 or PROD 392; RECA 367; PROD 342

Seniors only.

Majors only.

Insurance fee required.

Lab fee required.

PROD 460 Capstone Experience: Advanced Practicum (3 semester hours)

This class will fulfill your thesis requirement in lieu of PROD 490 or 492. The course is an intensive investigation in one or more areas of production based upon a mentorship, interviews, practical experience in production, and a final research paper and presentation. It is an alternative form for the student to gain in-depth knowledge of the professional practices within the entertainment industry.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: PROD 390 or PROD 392 or PROD 396; PROD 366; RECA 367.

Seniors only.

Majors only.

PROD 464 Visual Effects (3 semester hours)

This course addresses the process of communication through typographic animation and visual effects. Emphasis is placed on creating emotional expression and identity through composites of video, text, and special effects.

Prerequisites: PROD 390 or PROD 392; PROD 366; RECA 367.

Majors only.

Insurance fee required.

Lab fee required.

PROD 466 Advanced Editing: Practicum for Editors (3 semester hours)

Further studies in aesthetics and the techniques of editing for film and/or TV.

Prerequisites: PROD 390 or PROD 392; PROD 366; RECA 367.

Seniors only.

Majors only.

Insurance fee required.

Lab fee required.

PROD 467 Post-Production Sound (3 semester hours)

Advanced sound theory with actual experience in sound re-recording for both film and television.

Prerequisite: RECA 367.

PROD 480 Advanced Production Seminar (1-3 semester hours)

Seminar/workshop course in special advanced techniques in production and post-production topics.

Prerequisites: PROD 390 or PROD 392; PROD 366; RECA 367.

School of Film and Television students only.

May be repeated for degree credit up to four times.

PROD 484 Visual Design (3 semester hours)

Through lectures and practical assignments, students learn how to clearly and effectively communicate content through the design principles at work in still and moving images.

Prerequisite: PROD 200.

PROD 486 Blocking Actors & Camera (3 semester hours)

Students analyze, design, and direct long take master shots to learn advanced directing techniques in blocking actors and the camera.

Prerequisites: PROD 390 or PROD 392 or PROD 396 with a minimum grade of B-.

Majors only.

PROD 487 Actor Workshop (3 semester hours)

Seminar/workshop course in special advanced techniques in production and post-production topics.

Prerequisite: PROD 390 or PROD 392.

School of Film and Television students only.

May be repeated for degree credit up to four times.

PROD 488 Directing the Camera (3 semester hours)

Beginning with an introduction to the fundamental differences between montage and mise-en-scene, the course will teach students the art and craft of designing, blocking, and executing sophisticated scenes with moving characters, in order to visualize the dramatic content of a scene.

Prerequisite: PROD 390 or PROD 392.

PROD 489 Advanced Directing Seminar (3 semester hours)

This course provides a supportive and open workshop environment in which advanced level Film and TV students explore two of the film's director's most essential tasks—script analysis and directing actors.

Prerequisites: PROD 390 or PROD 392; RECA 367.

Majors only.

PROD 490 Advanced Production: Producing and Directing the Fiction Short (3 semester hours)

Preparation of the shooting script, casting, scheduling, budgeting, art design, pre-visualization, and other preparation prior to principal photography.

Practical experience in motion picture production on a paraprofessional level including writing, directing, and editing a film. Sync sound project, maximum length: 15 minutes.

Note: Insurance required for off-campus use of equipment. The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: PROD 390 or PROD 392 (B+ or higher); PROD 366; RECA 367.
Seniors only.
Majors only.
Lab fee required.

PROD 492 Advanced Production: Producing and Directing the Documentary Short (3 semester hours)

Writing the thesis (documentary) project and preparing the script for production.

Practical experience in motion picture production on a paraprofessional level including writing, directing, and editing a documentary or experimental piece. Project maximum length 15 minutes.

Note: Insurance required for off-campus use of equipment. The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: PROD 390 or PROD 392; PROD 366; RECA 367.
Seniors only.
Majors only.
Lab fee required.
Offered Spring semester.

PROD 495 Editing & Finishing Short Film (3 semester hours)

This seminar focuses on advanced techniques in post-production from dailies to finishing. Over the semester, students will edit a short film of their choosing, edit a trailer for that short film, color correct the film, develop the sound design, design artwork, and finish the project for festival standard distribution.

Prerequisite: PROD 366 or PROD 566.

PROD 498 Special Studies (0-4 semester hours)**PROD 499 Independent Studies (0-4 semester hours)****PROD 500 Directing the Short Film I: Vision and Exploration (3 semester hours)**

Introduction to the aesthetic and practical problems of communicating visually through motion pictures. Involves group projects.

Corequisites: PROD 541, PROD 566; SCWR 501.
A grade of B- or higher is required.

PROD 530 Intermediate Documentary Pre-Production (3 semester hours)

Research and development of a documentary idea to be produced in the advanced documentary course.

Prerequisites: PROD 500, PROD 541, PROD 566, SCWR 501, all with a minimum grade of B-.

PROD 539 Producing Master Class (3 semester hours)

This course explores the art of creative producing, familiarizing students with the various aspects of the producing process from idea to getting a project sold.

MELM students only.

PROD 541 Introduction to Cinematography (3 semester hours)

An introduction to 16mm motion picture cameras, digital cameras, film stocks, lighting, and grip equipment. Location and studio procedures for both sync and non-sync situations.

Corequisites: PROD 500, PROD 566; SCWR 501.
Majors only.
Lecture and Laboratory, 5 hours.
A grade of B- or higher is required.
Lab fee required.
Insurance fee required.

PROD 550 Directing the Short Film II: Visual Storytelling (3 semester hours)

Practicum in production of fictional student projects from initial concept through post-production. Advanced production and post-production theory and practice as applied to film and television. Involves individual and/or group projects.

Prerequisites: PROD 500, PROD 541, PROD 566, SCWR 501, all with a minimum grade of B-.
Corequisites: PROD 530 or SCWR 530, RECA 500.
A grade of B- or higher is required.

PROD 566 Introduction to Post-Production (3 semester hours)

Post-production theory and practice as applied to film and television.

Corequisites: PROD 500, PROD 541; SCWR 501.
Majors only.
A grade of B- or higher is required.

PROD 567 Practicum in Color Correction (3 semester hours)

This course presents an introduction to color theory and the craft of color correction. We will be going over techniques to create a better understanding of how we interact with color, how we can affect color, and developing abilities as a colorist.

Prerequisite: PROD 566.

PROD 570 Production Planning (3 semester hours)

In-depth study of production planning with an emphasis on budgeting and scheduling for the intermediate and advanced projects.

Prerequisites: PROD 500, PROD 541, PROD 566, SCWR 501, all with a minimum grade of B-.

Corequisites: PROD 530 or SCWR 530, PROD 550, RECA 500.

PROD 580 Music Video Production (3 semester hours)

This course investigates the relationship between the contemporary music video, non-narrative visual representation, and current social issues. With both theoretical and production components, students develop and produce a music video that addresses the needs of an outside client/artist.

Prerequisite: PROD 600 with a minimum grade of B- (2.70).

PROD 581 Production Design (3 semester hours)

This course requires students to serve as production designer on an intermediate or advanced SFTV student film produced during the same semester, with the course's instructor guiding the production designer and director of the project to establish an effective and unique look and vision for the film.

Prerequisite: PROD 550 with a minimum grade of B- (2.70).

PROD 598 Special Studies (0-4 semester hours)**PROD 599 Independent Studies (0-4 semester hours)****PROD 600 Directing the Short Film III: Directing Actors (6 semester hours)**

Further practical experience in fiction and non-fiction production and post-production, including the producing, directing, and editing of a film or documentary project.

Prerequisites: PROD 530 or SCWR 530; PROD 550 with a minimum grade of B-.

A grade of B- or higher is required.

Note: Insurance is required for equipment.

PROD 626 Pre-Production for Documentary Thesis (3 semester hours)

Research and development of a non-fiction idea for the thesis film.

Prerequisite: PROD 600 with a minimum grade of B-.

Majors only.

PROD 631 Web Series Development (3 semester hours)

Students will learn how to develop a digital series, culminating in pitching an original project to a branded web agency. Students will discover how digital content can be a gateway into traditional TV or film and how it has created a new frontier for storytelling through new media.

Prerequisite: PROD 600 with a minimum grade of B- (2.70).

PROD 633 Developing, Selling, and Monetizing Digital Content (3 semester hours)

This course teaches students how to develop, sell, and monetize digital content. The course explores the various types of digital content and deconstruct their audience, and structure, as well as the changing world of television through the development of digital distribution, branded entertainment, and web series.

Prerequisite: PROD 600 with a minimum grade of B- (2.70) or PROD 539 with a minimum grade of C.

PROD 635 Film and Television Development (3 semester hours)

This course is designed to enhance students' understanding of the feature film and TV development process while exploring critical concepts and common business practices. This course will educate and inform the student about how best to analyze and then create concepts for TV and film.

Prerequisite: PROD 600 with a minimum grade of B- (2.70) or PROD 539 with a minimum grade of C.

PROD 638 Film Festivals: Marketing and Distribution of the Indie Film (3 semester hours)

This course will focus on how to think about your film from a marketing perspective in order to help you get your first indie feature film produced, sold, and distributed.

Prerequisites: PROD 600 or PROD 539

Graduate students only.

PROD 639 Producing Master Class (3 semester hours)

This course explores the art of creative producing, familiarizing students with the various aspects of the producing process from idea to getting a project sold.

Prerequisite: PROD 600.

PROD 642 Cinematography II (3 semester hours)

Focused on developing an intermediate level knowledge of a cinematographer's skill sets and knowledge base, Cinematography II will include a greater emphasis on the development of a visual Goal or Look, lighting, gripology, and the practice of various technical aspects of Cinematography.

Prerequisite: PROD 541 with a minimum grade of B-.

Graduate majors only.

PROD 649 Cinematography Master Class (3 semester hours)

Further studies in the techniques of camera and lighting for film and video.

Prerequisites: PROD 541 and PROD 550 (both with a minimum grade of B-); PROD 642.

Graduate majors only.

PROD 650 Thesis Project I: Pre-Production and Production (3 semester hours)

Pre-production and production of a major fiction or documentary project.

Prerequisites: PROD 600 with a minimum grade of B-; PROD 626 or SCWR 620.

Permission of Graduate Committee required.

PROD 664 Visual Effects (3 semester hours)

This course addresses the process of communication through typographic animation and visual effects. Emphasis is placed on creating emotional expression and identity through composites of video, text, and special effects.

Prerequisite: PROD 600 with a minimum grade of B- (2.70).

Graduate majors only.

Insurance fee required.

Lab fee required.

PROD 666 Advanced Editing (3 semester hours)

Further studies in the theory, aesthetics, and techniques of editing for film and/or television.

Prerequisite: PROD 566 with a minimum grade of B- (2.70).

Insurance fee required.

Lab fee required.

PROD 670 Thesis Project II: Post-Production (3 semester hours)

Editing and completion of the thesis project.

Prerequisite: PROD 650 with a minimum grade of B-.

Permission of Graduate Committee required.

PROD 671 Thesis Project: Post-Finishing the Film (1-3 semester hours)

Registration is required until Thesis Project is completed.

Prerequisite: PROD 670.

PROD 675 Thesis Portfolio (3 semester hours)

Completion of the thesis portfolio.

Prerequisite: PROD 600 with a minimum grade of B-.

Permission of Chair required.

PROD 680 Advanced Directing Seminar (3 semester hours)

Directorial analysis of and practical experience in the special problems of directing actors for the camera. Can emphasize film, TV, or the different problems involved in each medium.

Prerequisite: PROD 600 with a minimum grade of B- (2.70).

Insurance fee required.

Lab fee required.

PROD 684 Visual Design (3 semester hours)

Through lectures and practical assignments, students learn how to clearly and effectively communicate content through the design principles at work in still and moving images.

Prerequisite: PROD 550.

PROD 685 Advanced Production Seminar (1-3 semester hours)

Seminar/workshop course in special advanced techniques in production and post-production topics.

Prerequisite: PROD 550 with a minimum grade of B-.

Majors only.

May be repeated for degree credit up to three times.

Insurance fee required.

Lab fee required.

PROD 686 Blocking Actors & Camera (3 semester hours)

Students analyze, design, and direct long take master shots to learn advanced directing techniques in blocking actors and the camera.

Prerequisites: PROD 600 with a minimum grade of B-.

Majors only.

PROD 687 Actor Workshop (3 semester hours)

Seminar/workshop course in special advanced techniques in production and post-production topics.

Prerequisite: PROD 600.

School of Film and Television students only.

May be repeated for degree credit up to four times.

PROD 688 Directing the Camera (3 semester hours)

Beginning with an introduction to the fundamental differences between montage and mise-en-scene, the course will teach students the art and craft of designing, blocking, and executing sophisticated scenes with moving characters, in order to visualize the dramatic content of a scene.

Prerequisite: PROD 600 with a minimum grade of B- (2.70).

PROD 695 Editing & Finishing Short Film (3 semester hours)

This seminar focuses on advanced techniques in post-production from dailies to finishing. Over the semester, students will edit a short film of their choosing, edit a trailer for that short film, color correct the film, develop the sound design, design artwork, and finish the project for festival standard distribution.

Prerequisite: PROD 366 or PROD 566.

PROD 698 Special Studies (0-4 semester hours)**PROD 699 Independent Studies (0-4 semester hours)****PSYC 1000 General Psychology (4 semester hours)**

Introduction to psychology: historical origins; methods of investigation; topics such as sensation, perception, learning, cognition, motivation, and emotion; fields such as physiological, development, personality, social, abnormal, testing, applied psychology, and psychotherapy.

University Core fulfilled: Explorations: Understanding Human Behavior

PSYC 1998 Special Studies (1-4 semester hours)**PSYC 1999 Independent Studies (1-4 semester hours)**

Instructor consent required.

PSYC 2001 Statistical Methods for Psychology (4 semester hours)

Statistical concepts and methods related to psychological testing and research, including measures of central tendency, variability, hypothesis testing, analysis of variance, correlation, regression, non-parametric tests, and use of statistical software programs.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

University Core fulfilled: Foundations: Quantitative Reasoning.

PSYC 2002 Research Methods (4 semester hours)

Introduces the basic principles of common psychology research methods and designs. Provides students with fundamental background for planning, conducting, and critiquing research in psychology. Emphasizes scientific writing, including APA style, and data interpretation using descriptive and inferential statistics. Topics include: hypothesis testing, searching scientific literature, variables and measurement, reliability and validity, and ethics in the conduct of empirical research.

Prerequisites: TR in PSYC 1000 and PSYC 2001 OR Grade of C (2.0) or higher in PSYC 1000 and 2001 at LMU.

PSYC 2003 Brain and Behavior (4 semester hours)

Biological basis of behavior, structure and function of the sensory and effector mechanisms, neural and endocrine systems and their underlying physiological substrates.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

PSYC 2024 Applied Child Development I (4 semester hours)

Child Development Sequence Part 1. This course examines child development from conception through early childhood, focusing on physical, cognitive, psychosocial, and language growth in typically and atypically developing children. Students will study the research methods used to understand child development. Students will apply course concepts through a fieldwork practicum.

Prerequisites: PSYC 1000

Restrictions: Applied Developmental Minor

Permissions/Approvals: Permission of Instructor

Standard letter grade only

PSYC 2998 Special Studies (1-4 semester hours)

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

PSYC 2999 Independent Studies (1-4 semester hours)

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Instructor consent required.

PSYC 3010 Evolutionary Psychology of Sex Differences (4 semester hours)

Explores sex and sex differences from a biosocial or evolutionary psychology perspective. Examines evolution of sexual reproduction, the two sexes, sexually dimorphic morphology, behavior, and emotion. Identifies and examines different reproductive strategies employed by males and females (including nonhuman species) and resulting conflicts of interests between the sexes. Particular focus given to sex differences in sexuality, courtship, jealousy, mating systems, and parenting.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

PSYC 3015 Psychology of Gender (4 semester hours)

Through lectures, exercises, films and demonstrations, students will learn about the current psychological perspectives on gender in diverse contexts and the research methods used by psychological scientists to understand the role of gender in people's lives. A critical feature of class discussions will center on how the cultural diversity of our contemporary society shapes gendered experiences in various contexts such as friendships, romantic relationships and intergroup relations as well as school practices such as discipline.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU

Junior or senior standing required.

PSYC 3019 African and Black Psychology (4 semester hours)

A biopsychosocial/spiritual review of topics in psychology from an Africentric perspective. A survey course examining and contrasting basic theories, research, and concepts in African psychology and Black psychology. Selected features of the discipline of western psychology are critiqued from an African-centered perspective.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

PSYC 3022 Autism: Mind, Brain, Education (4 semester hours)

The study of autism spectrum disorders (ASD) including the diagnostic criteria and defining characteristics of ASD, underlying brain and cognitive/social mechanisms, life course perspectives, and evidence-based interventions.

Prerequisite: TR in PSYC 1000 OR grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

University Core fulfilled: Flag: Engaged Learning.

PSYC 3024 Applied Child Development II (4 semester hours)

Child Development Sequence Part 2. This course follows Applied Child Development 2024 and will continue to build content knowledge related to early childhood development typically and atypically developing children. Students will apply what they learned in Applied Child Development I (PSYC 2024) during their continuing fieldwork practicum. A key component of the course is an applied research project, which will build on knowledge from PSYC 2024.

Prerequisites, PSYC 1000, PSYC 2024

Restrictions, Applied Developmental Minor, Junior/Senior standing

Permissions/Approvals, Permission of Instructor

Standard letter grade only

PSYC 3038 Psychopathology (4 semester hours)

An introduction to the biological, psychological, and social determinants of psychopathology and maladaptive behaviors. Causes, diagnosis, and treatment of various mental disorders such as: schizophrenia, mood disorders, anxiety disorders, personality disorders, childhood disorders, sexual dysfunctions, and other conditions covered in the Diagnostic and Statistical Manual of Mental Disorders (DSM).

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

PSYC 3040 Fundamentals of Cognitive Science (4 semester hours)

Cognitive science focuses on the core questions about what minds are, what they are for, and how they work. As an interdisciplinary field, cognitive science integrates perspectives from psychology, philosophy, linguistics, computer science, and neuroscience. Key topics may include memory, language, decision making, perception and emotion. Students will complete a project that integrates findings from at least three of the key contributing disciplines to Cognitive Science.

PSYC 3050 Principles of Behavioral Neuroscience (4 semester hours)

Explores the scientific investigation and advancement of theory pertaining to processes underlying the biological basis of human behavior. This course will examine pertinent topics within the fields of psychology, biology, chemistry, neuropharmacology, biochemistry, and the clinical sciences (e.g., neurology and neuropsychiatry) to provide a comprehensive introduction to behavioral neuroscience.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics

PSYC 3052 Lifespan Development (4 semester hours)

Research and theories of normal human development from conception through adult maturity, old age, and death. Focus on growth and change in biological, cognitive, and social processes in psychological development.

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

PSYC 3998 Special Studies (0-4 semester hours)

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

PSYC 3999 Independent Studies (1-4 semester hours)

Prerequisite: TR in PSYC 1000 OR Grade of C (2.0) or higher in PSYC 1000 at LMU.

Juniors and seniors only.

Instructor consent required.

PSYC 4001 Cognitive Neuroscience (4 semester hours)

Contemporary theories, research, and the neural bases of cognitive processes: perception, attention, memory, knowledge representation, problem-solving, and reasoning. Explores the application of these theories to study skills, neuropsychology, psychopathology, and computer models of cognition.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only. Required for Psychology majors.

PSYC 4002 Social Psychology (4 semester hours)

Contemporary theories and empirical research related to person perception, affiliation, interpersonal attraction, group structure and dynamics, social influence, attitude change, aggression, prosocial behavior, and prejudice.

Prerequisites: TR in PSYC 2001, PSYC 2002, and PSYC 2003 OR Grade of C (2.0) or higher in PSYC 2001, PSYC 2002, and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only. Required for Psychology majors.

PSYC 4005 Sensation & Perception (4 semester hours)

This course explores the question of how the brain creates what we see, smell, hear, touch and taste. We will survey the field of sensation and perception by first examining the various methods used in the field. We then delve into each sensory system, with an emphasis on visual and auditory systems, and discuss the relationship between our physical world, nervous system, and various perceptual phenomena. Students will be exposed to traditional psychophysical methods, current experimental research, and recent findings from neuroscience.

Prerequisites: TR in PSYC 2001, PSYC 2002, and PSYC 2003 OR Grade of C (2.0) or higher in PSYC 2001, PSYC 2002, and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4017 Psychology of Trauma and Resilience (4 semester hours)

The study of history, theories, prevention and interventions from the field of psychology focused on trauma and resilience. Topics include various kinds of trauma, risk and resilience factors, and how trauma affects individuals (e.g., development, neurological impacts, and traumatic stress responses). There is a focus on examining cultural and ecological factors as they pertain to risk and resilience.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 or grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4018 Clinical Psychology (4 semester hours)

Theory, research, and application of clinical assessment and intervention for psychological disorders and behavior change. Topics include history and fundamental principles of clinical psychology, clinical interviewing and psychological testing, major theoretical models and intervention techniques, clinical science and treatment research, career/professional issues, and ethics.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4033 Community Psychology (4 semester hours)

The community psychology course introduces students to the rigorous academic discipline of community psychology, the theoretical approach to community-based interventions and its emphasis on research and action. Students will gain an understanding of the role, functions, and responsibilities of a community psychologist working with and within community organizations. The course stresses student engagement in transformative action, allowing them to integrate practical experience with community psychology research and theory.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

University Core fulfilled: Flag: Engaged Learning.

PSYC 4036 Personality (4 semester hours)

A survey of the major contemporary theories of personality and relevant research and applications related to each theory.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4045 Advanced Research Methods (4 semester hours)

Building on lower division statistics and research methods Psychology requirements, this course further investigates research designs and statistical analyses psychologists use to understand, predict, and influence human behavior. Students will conduct an empirical research study in a topical area of psychology and present results in APA-style written, oral, and/or poster presentations. Highly recommended for students considering graduate study in psychology.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C(2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

University Core fulfilled: Flags: Engaged Learning.

PSYC 4052 Evolutionary Psychology (4 semester hours)

Examination of the biosocial development of adaptive behavioral strategies for various classes of behavior including altruism, intergenerational conflict, courtship, parenting, territoriality, sibling rivalry, aggression.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4055 Neuropsychology (4 semester hours)

Introduction to an understanding and assessment of individuals with neurological disorders such as traumatic brain injury, dementia, cerebrovascular disorders, brain tumors, etc. An emphasis is placed on neuropsychological testing and neurological/non-neurological (e.g., education, ethnocultural variables, etc.) factors that affect test performance and interpretation.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4060 Clinical Neuroscience (4 semester hours)

Introduction to the diagnosis and treatment of neurological disorders. Neurological diseases and disorders are described from a clinical perspective, including an understanding of the clinical population and underlying causes, disease mechanisms, genetic testing, diagnostic imaging and treatments.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4090 Teaching Internship (1-4 semester hours)

Guided teaching of undergraduate course(s). May be repeated for credit.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 OR grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

Instructor consent required.

PSYC 4097 Research Assistantship (1-4 semester hours)

This course is for students who are research assistants (RAs) in faculty research. It provides an engaging, in-depth opportunity to learn the ethics, methods, and principles of psychological research. It is designed to flexibly accommodate a student either over several semesters (taking 1-2 semester hours in any combination one semester at a time up to a maximum of 4 semester hours) or in one semester (for the full 4 semester hours). A formal agreement between the student and faculty member shall define the academic expectations and workload and incorporate specific requirements for a writing assignment related to the research on which the student works that will serve as a formal basis for the grade.

Prerequisites: TR in PSYC 2001, PSYC 2002 and PSYC 2003 or grade of C (2.0) or higher in PSYC 2001, PSYC 2002 and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

University Core fulfilled: Flag: Engaged Learning.

Permission of a full-time faculty member who agrees to serve as the student's supervisor, mentor, and evaluator required.

PSYC 4100 Capstone Seminar (4 semester hours)

Seminar focuses on a faculty-selected topic to be investigated using the biopsychosocial perspective. The topic of this seminar is selected by the faculty member from within his or her area of expertise. Students are expected to broadly review and integrate their learning in psychology across the curriculum. This course fulfills the capstone requirement.

Prerequisites: All required courses for the major completed or concurrently completed with capstone.

Senior Psychology majors only.

PSYC 4195 Senior Assessment (0 semester hours)

Assessment of student learning outcomes in the field of psychology. Includes written examination or some form of written assessment, and/or other forms of end-of-program evaluation. There are no class meetings; this involves an ungraded exam/survey that occurs toward the end of the semester.

Prerequisites: All required courses for the major completed or currently in progress.

Open only to senior Psychology majors in their final semester.

Credit/No Credit only.

PSYC 4195 is offered two times a year (Fall and Spring).

PSYC 4196 Honors in Psychology (0-4 semester hours)

This is an opportunity for Honors-eligible students to complete a substantive research project to qualify for Departmental Honors.

Prerequisites: Grade of C (2.0) or higher in PSYC 2001, PSYC 2002 OR TR PSYC 2001, PSYC 2002, PSYC 2003 OR TR PSYC 2003, and permission of department chairperson. The student must also obtain the written approval of the faculty supervisor the semester prior to starting Honors in Psychology.

Senior Psychology majors only.

PSYC 4998 Special Studies (1-4 semester hours)

Prerequisites: TR in PSYC 2001, PSYC 2002, and PSYC 2003 OR Grade of C (2.0) or higher in PSYC 2001, PSYC 2002, and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

PSYC 4999 Independent Studies (1-4 semester hours)

Prerequisites: TR in PSYC 2001, PSYC 2002, and PSYC 2003 OR Grade of C (2.0) or higher in PSYC 2001, PSYC 2002, and PSYC 2003 at LMU.

Juniors and seniors only.

Open to Psychology majors and minors only.

Instructor consent required.

RECA 198 Special Studies (1-3 semester hours)**RECA 199 Independent Studies (1-3 semester hours)****RECA 220 Fundamentals of Sound (3 semester hours)**

The behavior of sound in various environments and techniques of modifying sound.

RECA majors only.

A grade of C (2.0) or higher is required.

RECA 250 Sound Design (3 semester hours)

An introduction to the aesthetic, pragmatic, and technical issues of motion picture sound recording, editing, and mixing.

Prerequisite: FTVS 1010, or FTVS 1020

PROD and RECA majors only.

A grade of C (2.0) or higher is required for RECA majors.

Lab Fee Required.

RECA 258 Sound Editing for Screen Arts (3 semester hours)

Introduction to sound effects and dialog editing using random access digital sound and picture.

Prerequisite: RECA 250 with a grade of C (2.0) or better.

RECA majors only.

Lab Fee Required.

RECA 293 How Music Rocks and Rolls (3 semester hours)

Study of psychological and neuroscientific basis of human music preferences by looking at most relevant research on human brain and music, as well as the theories that were developed based on that research. Ultimately, searching for the answers of why certain songs become huge music hits.

University Core fulfilled: Explorations: Understanding Human Behavior.

RECA 298 Special Studies (1-3 semester hours)**RECA 299 Independent Studies (1-3 semester hours)**

RECA 322 Recording Technology (3 semester hours)

The electronic theories of sound recording and reproduction.

Prerequisites: RECA 220 with a grade of C (2.0) or better, RECA 250 with a grade of C (2.0) or better, and RECA 258.

Corequisite: RECA 353.

RECA majors only.

Lab Fee Required.

RECA 330 Sound Design for Documentary (3 semester hours)

An introduction to the aesthetics, pragmatic, and technical issues of motion picture sound recording, editing, and mixing for documentary.

International Documentary Production minors only.

RECA 353 Sound on Set: Production Sound Techniques (3 semester hours)

Production sound theory and practice, with actual experience in recording, producing sound, and introduction to initial post-production procedures for film and TV.

Prerequisites: RECA 220 with a grade of C (2.0) or better, RECA 250 with a grade of C (2.0) or better, and RECA 258.

Corequisite: RECA 322.

RECA majors only.

Lab Fee Required.

RECA 358 Post-Production Sound (3 semester hours)

Advanced applications in film and television sound post-production: ADR, Foley, dialog and sound effects editing, and mixing.

Prerequisites: RECA 220 with a grade of C (2.0) or better, RECA 250 with a grade of C (2.0) or better, RECA 258, RECA 322, and RECA 353.

Corequisites: RECA 361 and RECA 362.

RECA majors only.

Lab Fee Required.

RECA 361 Capturing Live Music (3 semester hours)

The theory and practice of live and studio recording with no overdubs. Live sound reinforcement practice of an outdoor concert session.

Prerequisites: RECA 220 with a grade of C (2.0) or better, RECA 250 with a grade of C (2.0) or better, RECA 258, RECA 322, and RECA 353; MUSC 104 and MUSC 107.

Corequisites: RECA 358 and RECA 362.

RECA majors only.

Lecture and Laboratory, 6 hours.

Lab Fee & Insurance Fee Required.

RECA 362 Audio Software Applications (3 semester hours)

In-depth study of audio software applications. Plugins and standalone software usage.

Prerequisites: RECA 220 with a grade of C (2.0) or better, RECA 250 with a grade of C (2.0) or better, RECA 258, RECA 322, and RECA 353.

Corequisites: RECA 358. RECA 361.

RECA majors only.

Lab Fee Required.

RECA 367 Sound for Filmmakers (3 semester hours)

Production sound theory and practice, with actual experience in recording, producing sound, and introduction to initial post-production procedures for film and TV.

Prerequisites: PROD 200; RECA 250.

PROD majors only.

Lab Fee Required.

RECA 392 The Sound of Movies (3 semester hours)

This course explores aesthetic and creative aspects of sound design for film and television. The focus is on the creative experience of cinematic sound design. Although we will examine some of the history and theory of sound design, the emphasis will be on understanding and appreciating the contributions of practitioners in the field and the effects of this work on a mass audience.

Prerequisites: None

Corequisites: None

Restrictions: None

Grading Basis: Standard Letter Grade

Lab Fee Required

RECA 393 Movie Music (3 semester hours)

Students perform extensive visual and audio analysis of how music contributes to narrative cinematic arts. Students will be connecting visual and audio structural elements of film as they are related to important psychological principles such as humans having bias toward predictability, especially when it comes to musical expectations. Combined interdisciplinary concepts of psychology, music, and film are used to achieve the learning outcomes.

University Core fulfilled: Integrations: Interdisciplinary Connections.

RECA 394 Music Supervision (3 semester hours)

Defining the role of the music supervisor in drawing on the combined resources of the film and television communities to marry music and moving images, this course is for anyone interested in the business and art of film and television music. Lectures and discussion with guest speakers (music supervisors, composers, filmmakers, producers, music licensing representatives, and executives) present the principles and procedures of music supervision.

RECA 395 Video Game Sound (3 semester hours)

Developing basic skills and understanding of modern video game engines. Sound/music design and implementation through using "Unity 3D" game engine will build a practical foundational knowledge of sound design and programming.

RECA 398 Special Studies (1-3 semester hours)**RECA 399 Independent Studies (1-3 semester hours)****RECA 458 The Re-recording Mix (3 semester hours)**

Advanced exercises and practicum in mixing intermediate and advanced LMU student films, with the goal of preparing students for work on commercial projects.

Prerequisites: RECA 358 or 367 or permission of instructor.

RECA 461 Multi-Track Studio Recording (3 semester hours)

Music production and sound engineering using multi-track studio recording techniques.

Prerequisites: RECA 220 with a grade of C (2.0) or better, RECA 250 with a grade of C (2.0) or better, RECA 258, RECA 322, RECA 353, RECA 358, and RECA 361; MUSC 104 and MUSC 107.

RECA majors only.

Lab Fee and Insurance Fee Required.

RECA 464 Advanced Audio (3 semester hours)

Supervised and advanced projects in audio applications.

Prerequisites: RECA 458 or 461

Corequisite: RECA 470.

RECA majors only.

Lab Fee Required.

RECA 468 Advanced Post-Production Sound (3 semester hours)

Further studies in sound and practical experience in post-production sound.

Prerequisite: RECA 358 or 367.

Lab Fee Required.

RECA 470 Senior Capstone Portfolio (3 semester hours)

Supervised project in multi-track recording and production or film production and post-production sound. The student will author a portfolio containing all the work completed as a partial fulfillment of RECA degree requirements.

Prerequisites: RECA 458 or RECA 461

Corequisite: RECA 464.

RECA majors only.

Lab Fee and Insurance Fee Required.

RECA 493 Contemporary Issues: Recording Arts (3 semester hours)

Further studies in sound recording theory and practice.

Prerequisite: RECA 461.

RECA majors only.

RECA 498 Special Studies (1-3 semester hours)**RECA 499 Independent Studies (1-3 semester hours)****RECA 500 Sound for Production (3 semester hours)**

An introduction to the aesthetic, pragmatic, and technical issues of motion picture sound recording, editing, and mixing.

Prerequisite: PROD 500.

PROD graduate students only.

Lab Fee Required.

RECA 567 Seminar in Sound (3 semester hours)

Production sound theory and practice, with actual experience in recording, producing sound, and advanced post-production procedures for TV and film; ADR, Foley, dialog and sound effects editing, and mixing.

Prerequisite: RECA 500.

Corequisite: PROD 600

Graduate PROD majors only.

Lab Fee Required.

RECA 568 Advanced Post-Production Sound (3 semester hours)

Further studies in sound and practical experience in post-production sound.

Prerequisites: RECA 500 and 567.

PROD and RECA majors only.

Lab Fee Required.

RECA 593 Movie Music (3 semester hours)

Students perform extensive visual and audio analysis of how music contributes to narrative cinematic arts. Students will be connecting visual and audio structural elements of film as they are related to important psychological principles such as humans having bias toward predictability, especially when it comes to musical expectations. Combined interdisciplinary concepts of psychology, music, and film are used to achieve the learning outcomes.

University Core fulfilled: Integrations: Interdisciplinary Connections.

RECA 598 Special Studies (1-3 semester hours)**RECA 599 Independent Studies (1-3 semester hours)**

RHET 1000 Rhetorical Arts (3,4 semester hours)

This is a required course for all first year students.

It teaches an integrated set of skills, competencies, and knowledge that enables students to engage in public debate with persuasive force and stylistic excellence. It emphasizes such rhetorical concepts as invention, arrangement, claims with supporting evidence, exigency and audience. Emerging out of Renaissance humanism, Jesuit rhetoric (or Eloquentia Perfecta) developed the classical ideal of the good person writing and speaking well for the public good and promotes the teaching of eloquence combined with erudition and moral discernment. Developing this tradition in light of modern composition study and communication theory, the Rhetorical Arts course complements the other Foundation courses with topics such as ethics and communication, virtue and authority, knowledge and social obligation. The objectives of the Rhetorical Arts course are to foster critical thinking, moral reflection, and articulate expression. Ultimately, the Rhetorical Arts course furthers the development of essential skills in written and oral communication and information literacy, as well as providing opportunities for active engagement with essential components of the Jesuit and Marymount educational traditions. More specifically, students will:

- Have written and oral communication skills that enable them to express and interpret ideas, both their own and those of others, in clear language.
- Understand the rhetorical tradition and apply this knowledge in different contexts.
- Refine foundational skills in critical thinking obtained in the FYS.
- Distinguish between types of information resources and how these resources meet the needs of different levels of scholarship and different academic disciplines.
- Identify, reflect upon, integrate, and apply different arguments to form independent judgments.
- Conceptualize an effective research strategy, and then collect, interpret, evaluate and cite evidence in written and oral communication.

SCEM 190 Exploring the Natural Sciences (1 semester hour)

Introduction to the areas of study and career opportunities within the natural sciences.

Frank R. Seaver College of Science and Engineering majors only.

SCEM 192 Health Professions Advising I (0-3 semester hours)

The course provides students with a comprehensive overview of the preparation needed to become a competitive applicant to graduate health professional programs. Students will build a strong foundation to become successful academically, as an applicant, and as a future health care professional. It is intended for post-baccalaureate students applying to medical or dental school only.

Post-baccalaureate students only.

SCEM 193 Health Professions Advising II (0-3 semester hours)

The second in the series, this course focuses on the components of medical or dental school applications. It is intended for post-baccalaureate students applying to medical or dental school only.

Prerequisite: Health Professions Advising I.

Post-baccalaureate students only

SCEM 195 Applying to Medical or Dental School (1 semester hour)

This course is intended for undergraduate students applying to medical or dental school the summer immediately following its completion. Students will be given comprehensive overview of the preparation needed to become a competitive applicant to medical or dental school, with a focus on application components and what to expect after applications are submitted.

Juniors and Seniors only.

Credit/No credit only.

SCEM 198 Special Studies (0-3 semester hours)**SCEM 199 Independent Studies (0-3 semester hours)****SCEM 265 Women in Science and Mathematics: Breaking the Stereotype (3 semester hours)**

A study of the work of prominent women scientists and mathematicians. The course will also examine their lives and how they succeeded in traditionally male disciplines.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

SCEM 267 The Science and Life of Galileo (3 semester hours)

A study of the scientific works of Galileo and how they influenced changes in our world view during the 17th century.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

SCEM 270 Experimenting in Science I (4 semester hours)

Combination laboratory designed to acquaint student with how science is done. Emphasis on active learning strategies such as performing experiments, demonstrations, group discussions. The study of general science principles, such as those typically introduced in K-8 education, in the areas of physical and earth science.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher. Liberal Studies majors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

SCEM 271 Experimenting in Science II (4 semester hours)

Combination laboratory course designed to acquaint student with how science is done. Emphasis on active learning strategies such as performing experiments, demonstrations, group discussions. The study of general science principles, such as those typically introduced in K-8 education, in the areas of earth science and life science.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher. Liberal Studies majors only.

SCEM 298 Special Studies (1-3 semester hours)**SCEM 320 Science, Theology, and the Future (3 semester hours)**

A look at scientific discoveries, advances, and knowledge will be presented. The implications of the findings in science on theological questions and our worldview will be explored.

Prerequisites: BIOL 101, 102, 111, 112; CHEM 110, 111, 112, 113.

SCEM 370 Workshop Biology: Life Works I (3 semester hours)

The course discusses science pedagogy and allows students to experience working with science content as teachers, before they enter the classroom. Students will complete at least twenty hours of observation in high school classrooms and will be teaching lessons that they can develop.

SCEM 371 Workshop Biology: Life Works I Laboratory (1 semester hour)

The laboratory companion course for SCEM 370.

Corequisite: SCEM 370.

SCEM 372 Workshop Biology: Life Works II (3 semester hours)

This is a community-based learning course that is project-based; students will create high school science curricula in collaboration with education staff at a local environmental non-profit and teachers from an area high school. Students background and interests, and the particular needs of the non-profit's education program and high school teachers, will play a significant role in defining each project.

Prerequisites: SCEM 370 and 371.

Corequisite: SCEM 373.

SCEM 373 Workshop Biology: Life Works II Laboratory (1 semester hour)

The companion course for SCEM 372.

Corequisite: SCEM 372.

SCEM 376 Workshop Chemistry: The Elements Nature I (3 semester hours)

The course discusses science pedagogy and allows students to experience working with science content as teachers, before they enter the classroom. Students will complete at least 20 hours of observation in high school classrooms and will be teaching lessons that they develop.

Corequisite: SCEM 377.

SCEM 377 Workshop Chemistry: The Elements of Nature I Laboratory (1 semester hour)

The laboratory companion course for SCEM 376.

Corequisite: SCEM 376.

SCEM 378 Workshop Chemistry: The Elements of Nature II (3 semester hours)

This course discusses science pedagogy and allows students to experience working with science content as teachers, before they enter the classroom. Students will complete at least twenty hours of observation in high school classrooms and will be teaching lessons that they develop.

Prerequisite: SCEM 376 and 377.

Corequisite: SCEM 379.

SCEM 379 Workshop Chemistry: The Elements of Nature II Laboratory (1 semester hour)

The laboratory companion course for SCEM 378.

Corequisite: 378.

SCEM 398 Special Studies (1-4 semester hours)**SCEM 399 Independent Studies (0-3 semester hours)****SCEM 490 STEM Teaching (1 semester hour)**

This course is the registration component for Teaching Assistants.

Permission of instructor required.

SCEM 491 Science Education Internship (1-4 semester hours)

Work on a project in science education either in the elementary school or secondary school setting or at another appropriate location.

SCEM 498 Special Studies (1-4 semester hours)**SCEM 591 Science Education Internship (1-4 semester hours)**

Work on a project in science education either in the elementary school of secondary school setting or at another appropriate location.

SCWR 120 Storytelling for the Screen (3 semester hours)

The elements of storytelling as applied to the screen includes an examination of ethics and learning screenwriting basics by writing a short film script.

A minimum grade of B is required for all students in the major or minor.

SCWR 198 Special Studies (1-3 semester hours)**SCWR 199 Independent Studies (1-3 semester hours)****SCWR 220 Feature Story Development (3 semester hours)**

Practicum in the basics of screenwriting; idea, outline, plot, characterization, etc. Analysis of scripts.

Prerequisite: SCWR 120 completed with a grade of B or higher. Sophomores and juniors only.

SCWR 230 Write a Movie, Change the World (3 semester hours)

Students will learn how to write social issue based, short screenplays.

Prerequisite: SCWR 120.

University Core fulfilled: Flag: Writing.

SCWR 298 Special Studies (1-3 semester hours)**SCWR 299 Independent Studies (1-3 semester hours)****SCWR 320 Feature Screenplay: Writing the First Draft (3 semester hours)**

Practical experience in writing feature film scripts with analysis of plot, character development, and structure.

Prerequisite: SCWR 220

Majors only / Minors only.

SCWR 321 Rewriting the Feature Screenplay (3 semester hours)

Practical experience in completing or rewriting a feature-length screenplay.

Prerequisite: SCWR 320.

Juniors or seniors only.

Majors/minors only.

May be repeated once.

SCWR 322 Genre Screenwriting (3 semester hours)

Elements of writing popular film genres.

Prerequisites: SCWR 320.

SCWR 325 Writing the Comedy TV Series Spec (3 semester hours)

Prerequisite: SCWR 120

Majors/minors only.

University Core fulfilled: Explorations: Creative Experience.

SCWR 326 Writing the Drama TV Series Spec (3 semester hours)

Practical experience in writing one-hour episodic television drama.

Prerequisite: SCWR 120

Screenwriting majors and minors only.

University Core fulfilled: Explorations: Creative Experience.

SCWR 327 Developing and Writing the Short Film (3 semester hours)

Elements of screenwriting as applied to short films intended for production.

Prerequisite: SCWR 120.

University Core fulfilled: Flag: Writing.

SCWR 328 Writing the TV Pilot (3 semester hours)

Practical experience in writing the original television pilot comedy or drama.

Prerequisite: SCWR 220 with a minimum grade of B+.

Juniors or seniors only.

Majors/minors only.

SCWR 329 Directing for Screenwriters (3 semester hours)

An in-depth workshop/lecture demonstration on production and post-production processes and aesthetics of film and video.

Prerequisites: SCWR 220.

Majors only.

Lab fee required.

SCWR 340 Video Game Writing (3 semester hours)

Students will learn about the various challenges that video game writers face and how the game writing craft diverges from traditional storytelling to create its own dynamic art form. Students will come to understand how to use the medium to create rich, compelling, and ultimately powerful narrative experiences for the player. Further, this class will offer insight to students about the emerging opportunities available in the games industry for writers.

SCWR 398 Special Studies (0-4 semester hours)

SCWR 399 Independent Studies (0-3 semester hours)

SCWR 420 Writing the Senior Project: Feature Screenplay or TV Pilot (3 semester hours)

Specially directed projects in writing for film, television, or other media from initial concept through finished form. The student must provide a professional copy of all senior thesis-level projects to the school of film and television in partial fulfillment of degree requirements.

Prerequisites: SCWR 321.

Majors only.

SCWR 421 Rewriting the Senior Project: Feature Screenplay or TV Pilot (3 semester hours)

Practical experience revising the senior project draft.

Prerequisite: SCWR 420.

Screenwriting majors only.

SCWR 427 Writing Shorts for Production (3 semester hours)

Practical experience in writing production-ready short scripts based on or inspired by their existing feature or pilot TV scripts or for a stand-alone project.

Prerequisite: SCWR 220 or SCWR 327.

Juniors or seniors only.

School of Film and Television majors only.

SCWR 428 Adaptation: From Source to Screen (3 semester hours)

Practical experience in translating books (novels and/or non-fiction) into film scripts.

Prerequisite: SCWR 320.

SCWR 440 Senior Project: Feature (3 semester hours)

Specially directed projects in writing for film, television, or other media from initial concept through finished form. The student must provide a professional copy of all senior thesis-level projects to the school of film and television in partial fulfillment of degree requirements.

Prerequisites: SCWR 321.

Majors only.

SCWR 441 Rewriting the Senior Project: Feature (3 semester hours)

Practical experience revising the senior project draft.

Prerequisite: SCWR 420 or SCWR 440.

Screenwriting majors only.

SCWR 450 Senior Project: TV Pilot (3 semester hours)

Specially directed projects in writing for film, television, or other media from initial concept through finished form. The student must provide a professional copy of all senior thesis-level projects to the school of film and television in partial fulfillment of degree requirements.

Prerequisites: SCWR 321 and either SCWR 325 or SCWR 326

Majors only.

SCWR 451 Rewriting Senior Project: TV (3 semester hours)

Practical experience revising the senior project draft.

Prerequisite: SCWR 420 or SCWR 450.

Screenwriting majors only.

SCWR 498 Special Studies (0-4 semester hours)

SCWR 499 Independent Studies (0-3 semester hours)

SCWR 501 Fundamentals of Cinematic Storytelling (3 semester hours)

Elements of screenwriting as applied to short films intended for production.

Corequisites: PROD 500, 541, 566.

SCWR 510 Production Fundamentals for Writing and Producing for TV (3 semester hours)

Practical experience in the television development process; includes taking an idea to script and the directing, producing, and post-producing of a short, in-studio multi-camera video project.

SCWR 511 Production Fundamentals for Writing and Producing for TV (3 semester hours)

Course centers on understanding the craft of storytelling and character development as probably the most important task at hand when mounting a production and properly servicing the script for the writer, executive producer, and studio. Making wise choices in the areas of camera, lighting, and special effects to non-linear post-production, etc.

SCWR 527 Writing Shorts for Production (3 semester hours)

Practical experience in writing production-ready short scripts based on or inspired by their existing feature or pilot TV scripts or for a stand-alone project.

Prerequisite: SCWR 501 or SCWR 510 or SCWR 511.

Graduate students only.

School of Film and Television majors only.

SCWR 530 Developing the Short Film (3 semester hours)

Intermediate screenwriting techniques as applied to short films intended for production.

Prerequisite: SCWR 501

SCWR 540 Elements of Feature Screenwriting (3 semester hours)

Elements of feature film screenwriting related to idea, character, story and structure development, scene and sequence construction, and elements of genres.

SCWR 541 Writing the Feature Screenplay (3 semester hours)

Practical experience writing a first draft feature film screenplay; includes analysis of character development, plot, and story structure.

SCWR 550 Elements of Television Writing (3 semester hours)

Elements of dramatic writing include emphasis on the television art form and the practical aspects of writing television genres.

SCWR 551 Feature Screenwriting: Writing and Producing for TV (3 semester hours)

Practical experience writing a first draft feature film screenplay; including analysis of character development, plot, and story structure.
WPTV majors only.

Prerequisites: SCWR 511 and SCWR 550.

SCWR 554 The TV Writers Room (3 semester hours)

Students gain practical experience pitching and working in the writers rooms of drama and comedy television series.

Prerequisites: SCWR 511 and SCWR 550.

SCWR 560 Writing the Feature for Directors (3 semester hours)

Practical experience writing a first draft feature length screenplay.

Prerequisite: SCWR 501 with a minimum grade of B-.

Film and Television Production graduate majors only.

SCWR 598 Special Studies (0-4 semester hours)**SCWR 599 Independent Studies (0-3 semester hours)**

Independent studies.

SCWR 611 Planning Ahead: Producing Fundamentals (3 semester hours)

Practical experience as a producer managing the planning, budgeting, and scheduling of the episodic television art form.

Prerequisites: SCWR 511

SCWR 620 Writing the Production Thesis Screenplay (3 semester hours)

Writing the thesis narrative project and preparing the script for production.

Prerequisite: SCWR 530.

SCWR 635 Advanced Motion Picture Script Analysis (3 semester hours)

Analysis of feature films from the screenwriter's point of view and an in-depth study of each story's dramaturgical elements. This study will deepen the understanding of these principles and techniques for the student's own creative work.

SCWR 640 Rewriting the Feature Screenplay (3 semester hours)

Practical experience rewriting the feature film screenplay.

Prerequisites: SCWR 541.

Corequisite: SCWR 650.

SCWR 641 Feature Film and Television Adaptation (3 semester hours)

Broad survey of the wide range of adaptation concepts, practices, and processes.

Prerequisites: SCWR 640.

SCWR 650 Advanced Feature Screenwriting (3 semester hours)

Practical experience writing a feature-length screenplay.

Prerequisites: SCWR 541.

Corequisite: SCWR 640.

SCWR 651 Rewriting the Advanced Screenplay (3 semester hours)

Practical experience rewriting the feature film screenplay.

Prerequisite: SCWR 650.

SCWR 660 Writing the Drama TV Series Spec (3 semester hours)

Practical experience writing a "spec" episode of a current one-hour drama.

Prerequisites: SCWR 510 or SCWR 511; SCWR 540 or SCWR 550.

SCWR 661 Writing an Original Drama Pilot (3 semester hours)

Practical experience creating an original one-hour drama series and writing the pilot teleplay.

Prerequisite: SCWR 660 or SCWR 670.

Repeatable for credit up to 6 semester hours.

SCWR 670 Writing the Comedy TV Series Spec (3 semester hours)

Practical experience writing a "spec" episode of a current half-hour situation comedy.

Prerequisites: SCWR 510 or SCWR 511; SCWR 540 or SCWR 550.

SCWR 671 Writing an Original Comedy Pilot (3 semester hours)

Practical experience creating an original half-hour situation comedy series and writing the pilot teleplay.

Prerequisite: SCWR 660 or SCWR 670.

Repeatable for credit up to 6 semester hours.

SCWR 675 Rewriting the Television Pilot: Comedy and Drama (3 semester hours)

Rewriting original pilot projects so that they are 'reader ready' for the industry.

Prerequisite: SCWR 661 or SCWR 671

SCWR 680 Preproduction for Thesis Project (3 semester hours)

A "real life" experience writing and producing a television series; includes adapting the original pilot and pre-producing a short presentation.

Prerequisites: SCWR 611; SCWR 661 or 671

SCWR 681 Post-Production for Thesis Project (3 semester hours)

A "real life" experience writing and producing a television series; includes producing and post-producing pilot presentation and a final professional presentation to an audience and faculty committee.

Prerequisite: SCWR 680.

SCWR 685 The Business of Entertainment (3 semester hours)

Classroom lectures, guest speakers, panel discussions from entertainment industry business affairs professionals in the field of artist management, development, financing, and distribution.

Prerequisites: SCWR 541 or SCWR 670 or 660.

SCWR 690 Thesis Screenplay Project (3 semester hours)

Practical experience writing a feature-length screenplay.

Prerequisite: SCWR 651

SCWR 691 Rewriting Thesis Screenplay Project (3 semester hours)

Practical experience rewriting a feature film screenplay.

Prerequisite: SCWR 690.

SCWR 692 Feature Film and Television Portfolio Workshop (3 semester hours)

Develop new or continue to work on previously written material to raise the quality of portfolio to industry standard; includes preparing marketing materials for projects.

Prerequisite: SCWR 680 or SCWR 690.

SCWR 698 Special Studies (0-4 semester hours)**SCWR 699 Independent Studies (0-3 semester hours)**

Independent studies.

SCWR 800 Special Studies (0-4 semester hours)

Special Elective Topics

SCWR 810 Playwriting (3 semester hours)

Students will write and rewrite two short plays, and participate in a structured writer's room. Examples of monologues and short plays will be analyzed and screened.

SCWR 811 Writing for Late Night TV (3 semester hours)

This course will teach students how to construct monologue jokes, develop topical pitches and desk piece ideas, and write sketches. By the end of the term, they'll leave with a professional-quality submission packet for applying to late-night shows.

SCWR 816 Creating Reality TV (3 semester hours)

Students will analyze reality TV dating shows "The Bachelor" and "The Bachelorette," create a campus dream date show segment, and develop their own reality TV show concept with a sizzle reel and pitch deck.

SCWR 817 SS: Worldbuilding 101 (3 semester hours)

This course will equip students with the methods, devices, and techniques necessary to construct compelling worlds for stories and characters. Throughout the course, students will refine their world-building skills across various genres and forms, culminating in the creation of their own unique, fictional world.

SCWR 818 Writing Animated TV (3 semester hours)

This course will equip students with the methods, devices, and techniques necessary to construct compelling worlds for stories and characters. Throughout the course, students will refine their world-building skills across various genres and forms, culminating in the creation of their own unique, fictional world.

SCWR 820 Writing the Comedy Web Series (3 semester hours)

This course offers students practical experience in developing and writing short form comedy pilot scripts, focusing on character development, breaking story, emotional throughline, and joke writing. The course will also simulate a TV writer's room, providing students with opportunities to pitch ideas, receive feedback, and collaborate with others to position themselves for success in the evolving entertainment industry.

SCWR 825 Adaptation for WPTV (3 semester hours)

This course explores the process for choosing and adapting pre-existing source material to the screen. By examining what works and what does not work in various adaptations, students will learn how to approach source material and develop their own unique perspective. Students will complete a final adaptation project of a first act for a feature or a television pilot based on material in the public domain.

SCWR 826 Writing the Feature for Directors (3 semester hours)

Practical experience writing a first draft feature length screenplay.

Prerequisite: SCWR 501

Film and Television Production graduate majors only.

SCWR 827 Writing Shorts for Production (3 semester hours)

Practical experience in writing production-ready short scripts based on or inspired by their existing feature or pilot TV scripts or for a stand-alone project.

Prerequisite: SCWR 501 or SCWR 510 or SCWR 511.

Graduate students only.

School of Film and Television majors only.

SCWR 830 Genres of Horror (3 semester hours)

This class uses horror films to explore the concept of humanity. It covers topics like the protagonist's desires, the role of the monster, and the evolution of the genre. Students will analyze films, identify key influences, and examine themes like rites of passage and the female body. The class will culminate in writing an outline and the first act of a screenplay or pilot that reflects on the human condition through the lens of fear.

SCWR 840 Producing - Marketing - Selling Independent Features (3 semester hours)

This course focuses on the later stages of film production, including packaging, finance, sales, and marketing. Students will come to class with their well-developed project and will examine films in the marketplace, the work of marketers and distributors, using case studies and hands-on exercises.

SCWR 841 Film and TV Development (3 semester hours)

This course teaches students how to analyze and create concepts for TV and film, providing an overview of the entertainment industry and how to sell ideas. Teams will be formed to develop and pitch original comedy and drama TV shows and film concepts. Additionally, students will research and report on the needs of film studios and TV buyers.

SCWR 842 Developing, Selling and Monetizing Digital (3 semester hours)

This course explores the changing world of television through the development of digital distribution, branded entertainment, and web series. Students will develop their own idea which will then be developed into a pitch. The semester will culminate in showing and pitching their web series or alternate digital content to branded and digital buyers.

SCWR 6800 Special Studies (0-4 semester hours)

Special Elective Topics

SCWR 6810 Playwriting (3 semester hours)

Students will write and rewrite two short plays, and participate in a structured writer's room. Examples of monologues and short plays will be analyzed and screened.

SCWR 6811 Writing for Late Night TV (3 semester hours)

This course will teach students how to construct monologue jokes, develop topical pitches and desk piece ideas, and write sketches. By the end of the term, they'll leave with a professional-quality submission packet for applying to late-night shows.

SCWR 6816 Creating Reality TV (3 semester hours)

Students will analyze reality TV dating shows "The Bachelor" and "The Bachelorette," create a campus dream date show segment, and develop their own reality TV show concept with a sizzle reel and pitch deck.

SCWR 6817 SS: Worldbuilding 101 (3 semester hours)

This course will equip students with the methods, devices, and techniques necessary to construct compelling worlds for stories and characters. Throughout the course, students will refine their world-building skills across various genres and forms, culminating in the creation of their own unique, fictional world.

SCWR 6818 Writing Animated TV (3 semester hours)

This course will equip students with the methods, devices, and techniques necessary to construct compelling worlds for stories and characters. Throughout the course, students will refine their world-building skills across various genres and forms, culminating in the creation of their own unique, fictional world.

SCWR 6820 Writing the Comedy Web Series (3 semester hours)

This course offers students practical experience in developing and writing short form comedy pilot scripts, focusing on character development, breaking story, emotional throughline, and joke writing. The course will also simulate a TV writer's room, providing students with opportunities to pitch ideas, receive feedback, and collaborate with others to position themselves for success in the evolving entertainment industry.

SCWR 6825 Adaptation for WPTV (3 semester hours)

This course explores the process for choosing and adapting pre-existing source material to the screen. By examining what works and what does not work in various adaptations, students will learn how to approach source material and develop their own unique perspective. Students will complete a final adaptation project of a first act for a feature or a television pilot based on material in the public domain.

SCWR 6826 Writing the Feature for Directors (3 semester hours)

Practical experience writing a first draft feature length screenplay.

Prerequisite: SCWR 501

Film and Television Production graduate majors only.

SCWR 6827 Writing Shorts for Production (3 semester hours)

Practical experience in writing production-ready short scripts based on or inspired by their existing feature or pilot TV scripts or for a stand-alone project.

Prerequisite: SCWR 501 or SCWR 510 or SCWR 511.

Graduate students only.

School of Film and Television majors only.

SCWR 6830 Genres of Horror (3 semester hours)

This class uses horror films to explore the concept of humanity. It covers topics like the protagonist's desires, the role of the monster, and the evolution of the genre. Students will analyze films, identify key influences, and examine themes like rites of passage and the female body. The class will culminate in writing an outline and the first act of a screenplay or pilot that reflects on the human condition through the lens of fear.

SCWR 6840 Producing - Marketing - Selling Independent Features (3 semester hours)

This course focuses on the later stages of film production, including packaging, finance, sales, and marketing. Students will come to class with their well-developed project and will examine films in the marketplace, the work of marketers and distributors, using case studies and hands-on exercises.

SCWR 6841 Film and TV Development (3 semester hours)

This course teaches students how to analyze and create concepts for TV and film, providing an overview of the entertainment industry and how to sell ideas. Teams will be formed to develop and pitch original comedy and drama TV shows and film concepts. Additionally, students will research and report on the needs of film studios and TV buyers.

SCWR 6842 Developing, Selling and Monetizing Digital (3 semester hours)

This course explores the changing world of television through the development of digital distribution, branded entertainment, and web series. Students will develop their own idea which will then be developed into a pitch. The semester will culminate in showing and pitching their web series or alternate digital content to branded and digital buyers.

SOCL 1000 Principles of Sociology (4 semester hours)

Development of the perspectives, concepts, and methodologies needed for objective, analytical thinking about human interaction. Relationships explored in terms of the development of the self through interaction, basic types of social organization, collective behavior, types of institutions, and aspects of the total social system such as social change and population phenomena.

University Core fulfilled: Explorations: Understanding Human Behavior.

SOCL 1998 Special Studies (1-4 semester hours)**SOCL 1999 Independent Studies (1-4 semester hours)****SOCL 2000 Qualitative Research Methods (4 semester hours)**

An introduction to research design and qualitative methodologies in the social sciences, with special emphases placed on conceptualization and operationalization processes and data collection strategies. Qualitative research methods such as interviews, focus groups, content analysis, and ethnography will be covered in the course.

SOCL 2100 Statistics (4 semester hours)

An introduction to basic inferential and descriptive statistics commonly used in the social sciences. Among the topics covered are: table construction; central tendency; variation; probability, sampling distributions, and the normal curve; hypothesis testing; and measures of association.

University Core fulfilled: Foundations: Quantitative Reasoning.

SOCL 2998 Special Studies (1-4 semester hours)**SOCL 2999 Independent Studies (1-4 semester hours)****SOCL 3000 Sociological Theory (4 semester hours)**

This course will introduce students to a selection of important classical and contemporary theorists and theoretical perspectives that have contributed to the development of 20th and 21st century sociology.

SOCL 3100 Metropolitan Los Angeles (4 semester hours)

An overview of the social, economic, political, environmental, and spatial characteristics and dynamics of Metropolitan Los Angeles in the context of contemporary urbanization in the United States.

SOCL 3110 Sociology of Sport (4 semester hours)

An examination of the social nature of sport in society. Topics may include the interrelation of sport and culture, sport and the socialization process, deviance and violence in sport, sport and race, the status of women in sport, and the political and economic ramifications of sport.

SOCL 3120 Social Organization (4 semester hours)

The study of large-scale, highly structured groups, such as athletic teams, local school systems, colleges and universities, hospitals, businesses, and governmental agencies.

SOCL 3130 Sociology of Law (4 semester hours)

A survey of the important theoretical and research traditions and recent empirical developments in sociology of law. A variety of law-related topics will be covered, including law and social structure, the economy and culture, law and inequality, law and social control, courts and alternative dispute resolution, and the legal profession.

SOCL 3140 Sociology of Popular Culture (4 semester hours)

The study of the artifacts of everyday life - newspapers, films, sports, music and such - as important sources of sociological knowledge.

SOCL 3141 Media: The Empire of Illusion (4 semester hours)

An examination of the social role of the media in our lives and our society. Topics include: culture, race, class, and gender, as well as alternative media and the political struggles over social change and the media system.

SOCL 3150 Sociology of Health and Illness (4 semester hours)

Development of the field of medical sociology, with emphasis on changing patterns in the health care and delivery systems, doctor-patient relationships, and health care.

SOCL 3160 Sociology of Marriage and Families (4 semester hours)

A study of marriage and family as social institutions, including normative aspects, socialization activities, value orientations, family structures and behavior, and societal influences on families.

SOCL 3170 Blackness in Latin America: Identity, Politics, and Resistance (4 semester hours)

The body has been imagined as the basis for personal identity, a source of knowledge, a source of power, an object targeted by power, the mind's subordinate, the flesh to the spirit, a discourse, and a relation. In this course, we examine the multiple modes by which the body has been understood and imagined. We will read empiricist accounts of the body from medical and scientific sources alongside critiques from queer, feminist, disability, and critical race studies. In addition, we will explore the political implications of how the body is theorized. The course will culminate in an assignment that applies principals of universal design to a broad understanding of access mindful of how bodies are racialized, marked by health, illness, or queerness, and how these constructions advance or prohibit inclusion.

SOCL 3180 Introduction to Social Work (4 semester hours)

Drug and alcohol addiction, homelessness, sexual assault, veterans' rights, mental illness|this is what social work, and this course, is about. The central theme: How do social workers help America's disadvantaged populations overcome societal ills and lead productive lives? What, exactly, do social workers do, and how do they do it? The course will invite discussion of social justice themes centered around real-world case studies and solutions, practice models and ethical versus institutional clashes.

SOCL 3181 Social Welfare in the U.S. (4 semester hours)

This one- to four-unit course offers students the opportunity to work closely with a professor on a research project related to sociology. The research project may be independent or collaborative. Depending on the project, the student can receive training in data collection, data analysis, collection and construction of materials for literature reviews, and/or write/edit sociological materials. The student will be assessed at various stages of the course as appropriate for the research goals.

SOC 3190 Sociology of Education (4 semester hours)

In this course, students will examine schooling as a practice, and education as an institution and epistemological system. Education is a social institution and is understood as one of the key governors of conduct in society, therefore it is imperative that students understand the role educational institutions have in the shaping of American culture. Through Critical Inquiry, we will explore the foundations of education in America; the teacher-student dynamic in the context of power and agency; the role of race, ethnicity, class, gender, sexuality and religion and the importance of mobilizing intersectional identities inside of the classroom; the role of discourse, and counter narratives in transformative education; and the importance of schooling as a praxis of liberation.

SOC 3200 Deviant Behavior (4 semester hours)

A social interactionist approach to the study of deviant behavior; an examination of the process whereby society defines and labels an act as deviant, trends in deviance theory, deviant careers, and the mechanisms involved in confronting the label.

SOC 3201 Drugs and Society (4 semester hours)

Grounded in sociological perspectives, the course reviews different theoretical explanations of drug and alcohol consumption and the various strategies that have been employed to define, regulate and treat drug use/abuse in America, including consideration of the racial and social class disparities in Prohibitionist movements and drug criminalization and enforcement throughout US history.

SOC 3210 Gender and Society (4 semester hours)

An examination of processes resulting in socio-cultural sex role differences and the cultural consequences relating to opportunity, power, and prestige in society. An attempt to understand the effects of social organization and change on the status of women and men.

SOC 3211 Men and Masculinities (4 semester hours)

An exploration of masculinity through critical examination of men, women, gender, politics, identity, and social change from a social scientific perspective. Topics include: gender socialization, the diversity of masculinities, race and ethnicity, class, age, sexuality, and men's social movements.

SOC 3221 Race and Ethnic Relations (4 semester hours)

An examination of the interaction between ethnic and racial minorities and the majority group in the light of current sociological theories of social conflict and social change.

SOC 3223 Blackness in Latin America: Identity, Politics, & Resistance (4 semester hours)

The colonial encounter of Europeans, indigenous, and African populations has led to a complex system of racial stratification across Latin American societies. This course offers an in-depth understanding of how nationalist ideologies and discourses of race have shaped, and been shaped by, the historical and contemporary experiences of Blacks and Indigenous groups in Latin America. Readings draw on the work of historians, anthropologists, sociologists, and political scientists and provide a substantive grasp of the following topics, including: nation building and racial formation, racial representations in film, art and music, skin color and class stratification, racialized gender, migration and social inequality, how race and ethnicity are used as a basis for political mobilization, and resistance. Throughout this class, we will critique and deconstruct our assumptions about racial categories in Latin America and assess these in comparison to the United States. This course also makes use of documentary film, small group discussions, and group presentations.

SOC 3224 Latinos in the U.S. (4 semester hours)

This course examines the diverse social, economic, and political experiences of Latinos in the United States, paying special attention to groups in Los Angeles, while also discussing groups historically situated in other parts of the U.S. Students will analyze social science theories about how Latinos' experiences are shaped by key social institutions, such as schools, the immigration and criminal justice systems, neighborhoods, the labor market, media, and the American racial hierarchy. We will gain a fuller understanding of how Latinos have contributed to U.S. society and be able to assess important differences and similarities across groups.

SOC 3225 Race in Latin America (4 semester hours)

The colonial encounter of Europeans, indigenous, and African populations has led to a complex system of racial stratification across Latin American societies. This course offers an in-depth understanding of how nationalist ideologies and discourses of race and mestizaje have shaped, and been shaped by, the historical and contemporary experiences of Blacks and Indigenous groups in Latin America. Readings draw on the work of historians, anthropologists, sociologists, and political scientists and provide a substantive grasp of the following topics, including: nation building and racial formation, racial representations in film, art and music, skin color and class stratification, racialized gender, migration and social inequality, how race and ethnicity are used as a basis for political mobilization, and resistance. Throughout this class, we will critique and deconstruct our assumptions about racial categories in Latin America and assess these in comparison to the United States. This course also makes use of documentary film, small group discussions, and group presentations.

Fulfills International Relations (IRUD).

SOC 3230 Applied Community Internship (4 semester hours)

This course focuses on urban community-based organizations, as they embark on their anti-racist missions and requires students to commit to a 6-8 hour per week internship to the organizations during the semester. The course will build upon students' existing knowledge of social inequalities and urban community dynamics, while providing direct access to community-based organizations and their varied efforts to create more equitable conditions.

University Core fulfilled: Flag: Engaged Learning.

SOC 3231 Social Stratification (4 semester hours)

An examination of the historical roots and contemporary patterns of social and economic inequality in the United States. Distribution of income and wealth, social mobility, life chances, education, and race and ethnicity will be discussed.

SOC 3232 Applied Community Internship (4 semester hours)

This course examines a wide range of U.S. community studies, ranging from the 1920s to the present. Primary attention is directed toward an understanding of the scope of change in community structure and process in industrial society.

SOC 3233 Political Sociology (4 semester hours)

An analysis of the relationship between forms of social organization and the exercise of power in society. Among the subjects considered are: types of political regimes, cross-cultural patterns of voting, voluntary associations, social classes, social movements, and revolution.

SOC 3240 Sociology of Aging (4 semester hours)

A general introduction to the study of physiological, psychological, and sociological aspects of aging. The focus is on the individual in society throughout the adult phase of the lifespan.

SOCL 3250 Health and Social Justice (4 semester hours)

This course examines how social, political, and economic conditions shape the distribution of health and disease among different populations in the United States and elsewhere. Using a social justice framework, it explores how social inequalities, prejudice, and discrimination contribute to inequalities in health and disease.

SOCL 3260 Human Trafficking (4 semester hours)

Human trafficking - the trade in people and their parts within and across borders - is a problem that has captured the attention of academics, activists, government officials, and the general public over the last 25 years. This course focuses primarily on labor and sex trafficking in local, regional, and global contexts. We review and critically assess diverse sociological and social science scholarship on human trafficking with an emphasis on the structural significance of political, economic, and cultural conditions that contribute to trafficking: gender, racial/ethnic and class dynamics, and the development of anti-trafficking efforts.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SOCL 3270 Poverty and Place (4 semester hours)

This course will guide participants in an examination of the multi-faceted aspects of poverty, including geographic landscapes, primary catalysts, and both commonly accepted and alternative means of measurement through the lenses of race, space, place, and scale. Additionally, it will expose us to and guide us through several historical and contemporary debates, as well as discussions regarding relevant social policies and resulting societal impacts. Finally, we will also address myths, stereotypes, and widely held perceptions of the poor.

SOCL 3290 Social Inequalities (4 semester hours)

This course addresses how power, prestige, and wealth is distributed in society and focuses primarily on the U.S., but also uses global examples. The course examines theories that explain the causes of social inequality and addresses the consequences of social inequality, how it affects a person's life chances, and how and why it persists. Special attention will be paid to race/ethnicity, gender, and class in the different topics covered.

SOCL 3300 Urban Sociology (4 semester hours)

An examination of the basic historical processes which have shaped cities, including spatial differentiation. Topics may include the formation of community, metropolitan deconcentration, urban poverty, housing segregation, and third world urbanization.

SOCL 3310 Demography and Population Analysis (4 semester hours)

An analysis of major international population trends, problems of overpopulation, and population control, with an introduction to the methods and techniques of demographic and ecological analysis.

SOCL 3320 Social Psychology (4 semester hours)

The interrelationships between individual behavior and the larger social order. Language and communication, the self, interaction and interactional strategy, aggression, perception and attribution theory, prejudice and discrimination, and collective behavior.

SOCL 3321 Sociology of Emotions (4 semester hours)

This course examines how culture and society influence our feelings yet also leave us with the ability to change how we feel, individually and collectively.

SOCL 3330 Research Experience in Sociology (1-4 semester hours)

This one- to four-unit course offers students the opportunity to work closely with a professor on a research project related to sociology. The research project may be independent or collaborative. Depending on the project, the student can receive training in data collection, data analysis, collection and construction of materials for literature reviews, and/or write/edit sociological materials. The student will be assessed at various stages of the course as appropriate for the research goals.

SOCL 3340 Social Movements (4 semester hours)

Social Movements examines the role of people-driven social change throughout the globe. We examine how and why social movements emerge, such as the Civil Rights and Feminist Movements, as well as what makes them successful.

SOCL 3341 Politics, Faith, and Civic Engagement (4 semester hours)

The broad objective of this class is to introduce students to studying religion and its impact in the social world, including politics, social policy, community services, and social movements. We will examine the relationship between religion and society, taking into consideration both how religion is shaped by society and how religion shapes society, with an emphasis on religion in the U.S. Additionally, we will look at emerging religiously based social movement and political action.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SOCL 3350 The Life Course (4 semester hours)

This course explores theories and experiences of the Life Course, a perspective that focuses on developmental trajectories and transitions throughout one's life. Additionally, the course addresses the concepts of social contexts, linked lives, structure, and agency for individuals and groups.

SOCL 3351 Sociology of Adolescents (4 semester hours)

An examination of the adolescent society with particular focus on the high school. Topics to be discussed: peer socializations, cliques and crowd formations, lifestyles, fads and fashions, and changing patterns and relations resulting from globalization.

SOCL 3360 Environment and Society (4 semester hours)

Using sociological theories and concepts, this course examines the relationships between human societies and physical environments. Topics covered include: the meaning and significance of "nature," environmental policies, and environmental social movements.

SOCL 3361 Environments, Bodies and the Climate Crisis (4 semester hours)

This course begins by outlining the basic science of climate change and then introduces students to emerging scholarship in the social sciences and humanities that addresses the causes, consequences, and potential responses to the climate crisis. Areas covered include: the inequitable patterning of vulnerability to climate effects, forms of social action to slow climate change, and ways of reimagining life/living on earth. Within these broad areas, we will examine specific topics and concepts including climate justice, climate anxiety, the Anthropocene, Black ecologies, Indigenous perspectives on time in the climate crisis, multi-species climate justice, climate ghosts, reproductive justice, and more. Through our coverage of these topics, we will pay particular attention to bodies and health. We will also explore responses to the climate crisis from artists, poets, and fiction writers.

University Core Fulfilled: Integrations: Interdisciplinary Connections.

SOCL 3370 Sociology of Globalization (4 semester hours)

Examines major approaches to and continuing debates about globalization, including the implications for people in their everyday lives. Topics address economic, political, and cultural dimensions of globalization and may include transnational capitalism and corporations; global inequality; migration and the new global labor market; transnational social movements and global civil society; and globalization and culture, including ethnicity and gender.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SOCL 3371 Gender and Global Migration (4 semester hours)

Studies the globe's migrants and how their movements shape gender in their everyday lives, families, and workplaces - as well as ours - and in the global economy.

SOCL 3372 Sociology of U.S. Immigration (4 semester hours)

An investigation into current and historical immigration trends as they encompass the economy, education, language, identity, politics, and culture. There is a particular focus on globalization and Los Angeles as an immigration center.

SOCL 3373 Immigration and Los Angeles (4 semester hours)

(See APAM 4350.)

SOCL 3390 Work and Economic Justice (4 semester hours)

Explores the social dynamics of work and occupations in terms of culture, ideology, race, class, and gender. Topics will include the day-to-day experiences of the workplace, the politics of the economic system, and the social changes related to globalization and the international economy.

SOCL 3391 Work and Labor in the Global Economy (4 semester hours)

This course critically examines the organization and reorganization of formal and informal work in the global economy, the social implications, and the challenges facing labor movements. By considering the U.S. in relation to other countries, we will learn about the global division of labor and explore ways that gender, race, class, and national inequalities are being reinforced and challenged.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SOCL 3998 Special Studies (1-4 semester hours)**SOCL 3999 Independent Studies (1-4 semester hours)****SOCL 4000 Research Experience in Sociology (1-4 semester hours)**

This one- to four-unit course offers students the opportunity to work closely with a professor on a research project related to sociology. The research project may be independent or collaborative. Depending on the project, the student can receive training in data collection, data analysis, collection and construction of materials for literature reviews, and/or write/edit sociological materials. The student will be assessed at various stages of the course as appropriate for the research goals.

Permission of Instructor required.

SOCL 4100 Criminal Justice (4 semester hours)

An introduction to the system of criminal justice in contemporary America with a focus on how criminal behavior is processed by the system's agencies: police, courts, and correctional institutions. Legal concerns such as the rights of the accused and due process will also be discussed in terms of their application in each of these areas.

SOCL 4101 Criminal Law (4 semester hours)

This course examines the criminal law in the U.S. from a sociological perspective, as a set of "social control" processes by which norms are transmitted and enforced. Topics include how the law defines crime and particular forms of crime, drug abuse, and alcohol-related crime, and various legal defenses available to the accused.

SOCL 4103 Social Psychology and the Law (4 semester hours)

This course will examine the law and the legal process using concepts, methods, and research from sociology, psychology, and social psychology. The course will address such topics as: criminal profiling, the analysis of eyewitness identification and line-up procedures, pretrial publicity, the social psychology of criminal trials, expert forensic testimony, criminal sentencing and the death penalty, the insanity defense, social and psychological "syndrome defenses," child abuse victims and witnesses, juvenile offenders, legal restrictions on the practice of psychology/psychiatry, and civil commitment law and procedures.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SOCL 4110 Religion, Culture, and Society (4 semester hours)

The study of religion as an expression of culture, its diverse subcultural characteristics as a social institution, and the interrelationships of religion and other social institutions.

SOCL 4120 Science, Technology, and Society (4 semester hours)

This course examines science and technology as products of social, political, and historical processes. It challenges students to think critically about how we define science and the impacts of science and technology on social life. Students will be introduced to central ideas in the field of science and technology studies.

SOCL 4150 Sociology of Health and Illness (4 semester hours)

Development of the field of medical sociology, with emphasis on changing patterns in the health care and delivery systems, doctor-patient relationships, and health care.

SOCL 4202 Crime and Delinquency (4 semester hours)

An introduction to the nature and dynamics of criminal and delinquent behavior from a sociological viewpoint. Topics to be covered: the nature of crime and the criminal law, the measurement of crime, major theories - both historical and contemporary, and patterns of criminal and delinquent behavior.

SOCL 4500 Internship (4 semester hours)

Students complete a supervised internship in an appropriate agency including social services, law, education, health services, and other relevant fields.

Permission of instructor required.

SOCL 4900 Sociology Seminar (4 semester hours)

Designed as a senior seminar for sociology majors. Stress will be on organization and integration of sociology studies, bringing together in a meaningful way sociological facts, understandings, and knowledge.

Prerequisites: SOCL 2000 and SOCL 3000.

Senior majors only.

Students must have 90 semester hours completed at time of registration.

SOCL 4998 Special Studies (1-4 semester hours)

SOCL 4999 Independent Studies (1-4 semester hours)**SPAN 1998 Special Studies (1-4 semester hours)****SPAN 1999 Independent Studies (1-4 semester hours)****SPAN 2101 Spanish 1 (4 semester hours)**

The course emphasizes the development of communicative skills in Spanish, and reflects the diversity within Hispanic cultures. Topics include talking about oneself and others; gender and number agreement; describing daily routines; expressing likes and dislikes; and talking, narrating, and describing in the present. Coursework includes oral and written exercises, cultural activities, brief compositions, daily homework, and quizzes. Prerequisite: LMU Placement Exam.

SPAN 2102 Spanish 2 (4 semester hours)

This course emphasizes the development of communicative skills in Spanish and reflects the diversity within Hispanic cultures. Topics include gustar and similar verbs, the preterite vs. imperfect tense distinction, commands, present progressive, direct and indirect object pronouns, comparatives, and demonstratives, and perfect tenses. Coursework includes the discussion of written and visual texts, oral and written exercises, oral presentations, cultural activities, compositions, daily homework, and quizzes.

Prerequisite: SPAN 2101 or by LMU Placement Exam.

SPAN 2103 Spanish 3 (4 semester hours)

The objective of the class is to strengthen the student's communicative skills in Spanish while continue developing an awareness and appreciation of Hispanic cultures. By means of an integrated skills approach, this course develops receptive and productive skills simultaneously. This entails communicating in both spoken and written form and being able to understand the content of a Spanish text, written or spoken, of a non-technical nature. Coursework includes the discussion of written and visual texts, oral and written exercises, oral presentations, cultural activities, compositions, daily homework, and quizzes.

Prerequisite: SPAN 2102 or by LMU Placement Exam.

SPAN 2113 Spanish 3 for Latino Students (4 semester hours)

This course, specially designed for students with a cultural Latino/Hispanic background, is the equivalent of SPAN 2103. It strengthens the students' communicative skills in Spanish while developing an appreciation and deeper knowledge of their cultural background. Students are trained to present oral and written reports in formal Spanish and to narrate and describe in paragraphs of connected discourse.

Prerequisite: SPAN 2102, or by LMU Placement Exam, or by permission of instructor.

SPAN 2603 Conversational Spanish (1-4 semester hours)

A course designed for intermediate students of Spanish to learn and practice communicative strategies, increase their vocabulary, and become acquainted with Spanish, Latin American, and U.S. Latino cultures.

Prerequisite: SPAN 1101 or permission of instructor.

Oral presentations are required.

Credit/No Credit only.

SPAN 2804 Stylistics and Composition (4 semester hours)

This course is an introduction to writing and editing in Spanish. It highlights writing as a process by guiding students through the different stages required to produce college-level compositions incorporating the development of listening, reading, and speaking skills. It also promotes editing of a student's paper through a collaborative and informational learning environment, which includes peer editing of written drafts in addition to the instructor's feedback. Specific grammatical exercises are designed to focus on and improve clarity and effectiveness in written Spanish. The course also includes the development of the spoken formal register through oral presentation.

Prerequisite: SPAN 2103 or SPAN 2113, or by LMU Placement Exam.

SPAN 2998 Special Studies (1-4 semester hours)**SPAN 2999 Independent Studies (1-4 semester hours)****SPAN 3410 Spanish Linguistics 1: Sounds and Words (4 semester hours)**

A study of the Spanish sound system, word formation, and vocabulary. The course provides theoretical tools to analyze Spanish at the phonological and morphological levels. It also includes an exploration of sounds and words used in different varieties of Spanish.

Prerequisite: SPAN 2804 or permission of instructor.

University Core fulfilled: Explorations: Understanding Human Behavior.

SPAN 3431 Spanish Linguistics 2: Structure and Variation (4 semester hours)

A study of Spanish language structure, variation, historical change, and the linguistic effects of language contact. Course reading and activities include discussions of research in syntax, sociolinguistics, and historical linguistics.

Prerequisite: SPAN 3410 (333) or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SPAN 3510 Introduction to Hispanic Literatures (4 semester hours)

A study of theoretical terminology and concepts essential for structural and conceptual analysis of literary works written in Spanish through oral and written exercises. Students are also introduced to literary periods and genres from Spanish and Spanish American authors.

Prerequisite: SPAN 2804.

SPAN 3521 Survey of Latin American Literature (4 semester hours)

General survey of texts written by a representative body of Latin American authors from the pre-Columbian period to the present.

Prerequisite: SPAN 3510 (322) or permission of instructor.

SPAN 3541 Survey of Peninsular Spanish Literature (4 semester hours)

Interdisciplinary analysis of representative Peninsular Spanish literary texts from the Middle Ages to the present in their historical and cultural contexts.

Prerequisite: SPAN 3510 or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SPAN 3998 Special Studies (1-4 semester hours)**SPAN 3999 Independent Studies (1-4 semester hours)****SPAN 4252 Hispanic Cultural Studies (4 semester hours)**

General survey that may include Iberian, U.S. Latino, and/or pre-Columbian civilizations and the literature of Meso- and South America; the impact of the Encounter with Europe; the Conquest; the Colonial Period; the Independence Era; and modern literary, socio-historical, economic, and political events that have shaped present-day Spanish American cultures.

Prerequisite: SPAN 3510 or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

SPAN 4362 Latin American Cinema (4 semester hours)

Introduction to elements of film language and aesthetics, field of Latin American Film Studies, and film as Latin American cultural artifact. Course examines how films have responded to issues inherent in or challenged by institutional, political, economic, and socio-cultural pressures in Latin America during the Colonial Period, 19th, and 20th centuries. Critical focus is on discourses of gender, class, politics, and race in representative visual works by and about Latin Americans and U.S. Latinos. Selected screenings, readings, and lecture/discussions.

Prerequisite: SPAN 3510 or permission of instructor.

SPAN 4388 Spanish Cinema (4 semester hours)

This course analyzes trends and issues in Spanish film after Franco such as gender, sexuality, and social values within particular social, cultural, and historical contexts.

Prerequisite: SPAN 3510 or permission of instructor.

SPAN 4472 Spanish Language Acquisition (4 semester hours)

A study of the acquisition of Spanish as first and second language from a linguistic and psycholinguistic perspective. This course provides hands-on experience on the design of a research project on child and/or adult language acquisition of Spanish.

Prerequisite: SPAN 3410 or permission of instructor.

SPAN 4473 The Sounds of Spanish: Theory and Practice (4 semester hours)

Study and practice of the sound system of Spanish. This course provides opportunities to explore the organization of the basic sounds in Spanish and discuss the differences between English and Spanish. Students will further develop their pronunciation abilities in Spanish through a lab component, where they will practice phonetic transcription and pronunciation.

Prerequisite: SPAN 3410 or permission of instructor.

SPAN 4474 Spanish of the Americas (4 semester hours)

The course will begin with a review of changes in modern Spanish in America. It will provide a general introduction to the history and structure of the varieties of Spanish spoken in the New World. Topics to be treated will include the Peninsular origins of New World Spanish, the influence of American languages on Spanish, the features which characterize the different varieties of "New World" Spanish (including U.S. Spanish), and the grammatical and lexical features which distinguish European and American Spanish. Students will also learn about the relative contribution of historical events and linguistic policies in language development.

Prerequisite: SPAN 3410 or permission of instructor.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

SPAN 4475 Spanish of the United States (4 semester hours)

This course aims to raise awareness of linguistic contact phenomena, as well as socio-political and ideological research issues underlying the complexity of Spanish in the U.S. Students will be working with a variety of linguistic topics related to the analysis of the Spanish language and its role as a minority language in the U.S. Topics covered are linguistic variation, diglossia, historical perspectives, attitudes towards language, and language planning.

Prerequisite: SPAN 3410 or permission of instructor.

SPAN 4489 Selected Topics in Spanish Linguistics (4 semester hours)

Topics in the different subfields of Spanish linguistics and/or social studies.

Prerequisite: SPAN 3410 or permission of instructor.

May be repeated for degree credit when content varies.

SPAN 4567 Latin American Women Writers (4 semester hours)

Survey and comparative study of representative works by Latin American and/or Latina women writers from a variety of historical periods, national origins, and cultural and literary movements.

Prerequisite: SPAN 3510 or permission of instructor.

Specific course content depends on the instructor.

SPAN 4568 Selected Topics in Latin American Studies (4 semester hours)

SPAN 4568 Selected Topics in Latin American Studies

Topics in Latin American literature and culture.

Prerequisite: SPAN 3510 or permission of instructor.

May be repeated for degree credit when content varies.

SPAN 4582 Early Modern Spanish Drama and Poetry (4 semester hours)

The course analyzes poetic and dramatic works of the early modern period in Spain studied within their historical and cultural contexts. It will pay particular attention to their relevance for modern and contemporary literature.

Prerequisite: SPAN 3510 or permission of instructor.

SPAN 4583 Early Modern Spanish Narrative (4 semester hours)

The course analyzes narrative texts of the early modern period in Spain studied within their historical and cultural contexts. It will pay particular attention to their relevance for modern and contemporary literature.

Prerequisite: SPAN 3510 or permission of instructor.

SPAN 4584 Miguel de Cervantes and Don Quixote (4 semester hours)

This course analyzes different texts by Miguel de Cervantes from an interdisciplinary perspective, though it will focus on his masterpiece, Don Quixote.

Prerequisite: SPAN 3510 or permission of instructor.

SPAN 4585 Spanish Literature of the 19th Century (4 semester hours)

Interdisciplinary analysis of representative literary works and authors of the Spanish 19th century in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 3510 or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SPAN 4586 Spanish Literature of the 20th-21st Centuries (4 semester hours)

Interdisciplinary analysis of representative literary works and authors from the Spanish 20th-21st centuries in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 3510 or permission of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

SPAN 4587 Federico Garcia Lorca and His World (4 semester hours)

The course is an in-depth interdisciplinary study of the works and person of Spanish author Federico Garcia Lorca in its socio-historical, artistic, and cultural contexts.

Prerequisite: SPAN 3510 or permission of instructor.

SPAN 4589 Selected Topics in Spanish Studies (4 semester hours)

Topics in Peninsular Spanish literature and culture.

Prerequisite: SPAN 3510 or permission of instructor.

May be repeated for degree credit when content varies.

SPAN 4990 Senior Capstone Project (1 semester hour)

Exit portfolio (for majors only).

Credit/No Credit only.

SPAN 4998 Special Studies (1-4 semester hours)**SPAN 4999 Independent Studies (1-4 semester hours)****SYEG 500 Systems Engineering (3 semester hours)**

Fundamentals of modern Systems Engineering (SE) throughout the program lifecycle; focus on mission success, system, and system-of-systems; broad integrative adoptable and flexible thinking; initiation of a SE activity, feasibility studies, mission engineering, pre-proposal and proposal activities; risk in performance, cost, schedule and deployment aspects of a project; requirement definition and development, system design, interface and configuration control, and verification/validation; introduction to critical aspects of the DoD, NASA, and INCOSE guides on SE; class projects in Integrated Product Development Teams. All students have an option to receive 20% of the grade for taking the INCOSE Associate Systems Engineering Professional (ASEP) Certification Examination.

SYEG 510 Project Management (3 semester hours)

This course will integrate project management theory with practical approaches to establish a fundamental knowledge base for use in today's contemporary dynamic business environment. Project management will be explored from planning and selection through all aspects of the project life cycle. Practical techniques will be developed to organize and control non-routine activities in order to properly manage schedule, quality, budget, and performance objectives. The course will concentrate on project management areas identified as core knowledge areas by the Project Management Institute (PMI). The areas include the management of: Project Integration, Scope containment, Time, Cost, Quality, Human Resources, Procurement, and Risk.

SYEG 520 Engineering Leadership and Integrity (3 semester hours)

The Engineering Ethics and Communications course covers the study of the moral issues and decisions confronting individuals and the organizations involved in engineering, and the study of related questions about moral conduct, character, ideals, and the relationships of people and organizations involved in technological development. The aim of the course is to learn and apply integrity-based decision making skills to work related situations, in order to make decisions based on principles and values rather than motivated by profit, greed, convenience, laziness or time pressures. This course is an application of ethical theory to moral problems confronted by engineers, scientists, and managers, e.g., conscience and free expression within corporations, professional obligations to the public, the role of values in decisions regarding safety, codes of ethics, whistle-blowing, etc.

This course includes a Communications element where students learn and demonstrate some of the basics of professional report writing and public speaking, including: analyzing the ethical environment in which students work, identify the student's company's ideology and ethical outlook; examine the practical ethical problems in the student's organization and professional position; develop awareness of the ethical impact of decision making; discern the personal self-discipline of an ethical engineer and engineering manager; demonstrate a graduate level of proficiency in writing and public speaking through written assignments and formal class PowerPoint presentations.

SYEG 530 Lean Engineering and Management (3 semester hours)

This course covers the basics of Lean Engineering and manufacturing, including the history of Lean, Lean fundamentals: principles, value and waste. Lean Manufacturing with detailed coverage of JIT/LEAN Tools; Kaizen, Gemba, Hoshin Kanry. Lean engineering is applied in a variety of domains: Office, Supply Chain, Accounting, Labor relations. The NUMMI Case Study will be analyzed showing the value of applying lean principles; Time permitting the Theory of Constraints and Critical Chain will be reviewed. A key element of the course is a class project that implements the elements of the course.

SYEG 540 Systems Thinking: Major Tech Changes/Impacts (3 semester hours)

Systems Thinking is a course in which both students and faculty of two LMU Colleges work together: Bellarmine College of Liberal Arts (Seniors and Honors) and Frank R. Seaver College of Science and Engineering (the Systems Engineering graduate program). We look at complex systems that combine both technological and societal aspects of our civilization, seeking to understand how things influence one another within a large context, and how we can influence them for common good. The concepts of common good and public interest are discussed and serve as the ethical baseline for the discourse on the big questions of our time, such as: healthcare, energy and transportation, public health, K-12 education, end-of-life health management, defense and homeland security, and others. Systems engineering and liberal arts students will complement each other's thinking.

Non-HSE students only.

SYEG 554 Engineering for Autonomy (3 semester hours)

This course will provide an understanding of what architecture is, why we need it and common architectural patterns used in software-intensive systems. It examines architecture from different viewpoints to develop understanding of the factors that matter in practice, not just in theory. The issue of evolving software intensive eco-systems will be explored, including: design of domain appropriate architectures and what it means to be an evolvable architecture, how architecture fits into the specification of software intensive systems, techniques to visualize software-intensive architectures, and common software architectural patterns and the problems they are designed to address. Key trades for systems implementation will also be discussed, such as: service, object and data oriented design principles, embedded and enterprise architectural solutions, centralized and distributed architectures, and cloud computing architectures.

SYEG 557 Agile Development and Project Management (3 semester hours)

Agile software development is a set of principles for software development in which requirements and solutions evolve through collaboration between self-organizing, cross-functional teams. The course addresses agile methodologies and their impact on software engineering from a project manager perspective. A variety of agile methods will be reviewed as well as the pros and cons. Issues associated with planning and controlling agile projects, along with the challenges associated with adopting agile methods are discussed.

Note: Some previous coding experience is highly desirable. The team nature of the project means that extensive programming experience is not required.

SYEG 560 Introduction to Cybersecurity (3 semester hours)

Systems engineering approach to cybersecurity in modern, highly networked organizations in either the private or public sector. NIST's formal framework of terms, concepts, and methods to understand the area of cybersecurity. Studies of realistic threat models and vulnerability assessments. Comprehensive coverage of technical foundations for extant technologies and tools available at different levels (host-based or network-based) to provide cybersecurity"anti-virus software, malware detection, intrusion detection/prevention, firewalls, denial of service attack mitigation, encryption, network monitoring, automatic audit tools, to name just a few. Complications in cybersecurity introduced by emerging trends such as mobile devices and cloud computing. As advocated by most security professionals, this course views the problem of devising cybersecurity solutions as a specific kind of risk management problem. Students are taught how to devise the optimal combination of management procedures and controls along with key technologies to address the relevant sets of cybersecurity threats and vulnerabilities for the organization. We will also cover related organizational concerns such as creating a disaster recovery and business continuity plan that can be used to minimize the impact of potential disruptions, including those related to security. The role of cybersecurity as part of the larger domain of Information Assurance and regulatory compliance issues for different types of organizations. "Best practices" frameworks for security such as OWASP Top 10 and Security Technical Implementation GuideS (STIGS) and resources available from institutions such as CERT, NIST, and SANS. Case studies. From the real world to ground the concepts taught in real-world situations.

Undergraduate degree in Computer Science required.

SYEG 563 Cyberdefense (3 semester hours)

This course covers what is needed at the tactical level to implement an enterprise approach for the protection of information systems by integrating technical controls with policies, best practices, and overall guidelines of cybersecurity. This course is designed to focus on the practical application of the detection and prevention of cyber attacks and to assess and limit the damage through proactive defensive cyber operations. This course examines external and internal security threats, and the risks to business relative to people, processes, data, facilities, and technologies. How to implement and manage effective the major technical components of security architectures (firewalls, virtual private networks, etc.) and selected methods of attacking enterprise architectures also will be addressed. Additional topics include conducting risk assessments and the implementation of mitigations/countermeasures; intelligence reporting, threat/vulnerability analysis and risk remediation; management of a security operations center; incident response and handling; business continuity planning and disaster recovery; security policy formulation and implementation; management controls related to cybersecurity programs; and privacy, legal, compliance, and ethical issues.

SYEG 570 Spacecraft Design (3 semester hours)

Students will work individually and in groups to create a top-level design for Earth-orbiting satellites to perform a chosen mission. Students will begin by calculating key attributes and parameters for various satellite orbits. After selecting a mission objective, they will perform basic design and sizing calculations for spacecraft subsystems, including communications, power, thermal, propulsion, attitude control, and learn how to design for space environments and achieve desired mission reliability. The course requires basic knowledge of Newton's Laws, linear and rotational equations of motion, impulse/momentum, exponential/logarithmic functions and trigonometric functions.

SYEG 572 Spacecraft Communications and Radar (3 semester hours)

This course presents the fundamentals of satellite communications link design. Existing commercial, civil, and military communications systems are reviewed and analyzed, including direct broadcast satellites, high throughput satellites, VSAT links, and Earth-orbiting and deep space spacecraft. Topics include satellite orbits, link analysis, antenna and payload design, interference and propagation effects, modulation techniques, coding, multiple access, and Earth station design. Modules on optical communications and radar are also included.

SYEG 576 Business Law for Engineers (3 semester hours)

This course introduces engineers to the basic legal principles they will encounter throughout their careers. Course discussions cover contracts (formation, performance, breach, and termination), corporations and partnerships, insurance, product liability, professional liability, intellectual property (patents, trademarks, and copyrights), risk management, environmental law, torts, and evidence and dispute resolution. The course emphasizes those principles necessary to provide engineers with the ability to recognize issues that are likely to arise in the engineering profession and introduces them to the complexities and vagaries of the legal profession.

SYEG 577 Engineering Economics and Finance (3 semester hours)

The course will cover the financial and economic analysis essential for engineering business. Topics include: time value of money relationships, nominal and effective interest rates, present worth method, annual worth method, rate of return and incremental analysis, depreciation and income taxes, replacement analysis and benefit/cost analysis, cost estimating, and consideration of taxes and inflation. The basics of financial analysis and financial statements will be reviewed. Case studies will be used to apply the engineering economics principles.

SYEG 579 Startup Entrepreneurship and Managing Engineering Innovation (3 semester hours)

In a world that is driven by technological change, systems engineers are in a perfect position to understand the diverse technologies that are emerging, find innovative applications, and lead this technological revolution. This course will enable students to acquire the entrepreneurial skills necessary to develop innovative technical products/services and be able to capitalize on it. Specific topics will include 1) role of the system engineer entrepreneur, 2) finding and evaluating technological concepts, 3) building your startup team, 4) financing the startup, 5) protecting your idea, 6) negotiating effective partnerships, 7) getting it built, 8) product distribution into the marketplace, 9) growing the business, 10) planning product evolution. Course objectives will be met through lectures, discussions, readings, in-class team exercises, and applied case studies. At the conclusion of this course, students will make a presentation to venture capitalists and compete for startup funding as well as continuing support (technical, business, legal, marketing, etc.) to enable them to be successful.

SYEG 584 Occupy Mars: Explorations in Space Travel and Colonization (3 semester hours)

This multi-disciplinary course examines the potential for near term travel to and settlement of Mars, including the various habitat, technical, medical, mental and environmental challenges of space travel. The course will start with the history of crewed spaceflight, previous uncrewed missions to Mars and planned future missions. It covers the basic science and technology involved in space programs, as well as the benefits, costs, risks, the political and cultural challenges. We will discuss and develop the requirements for travel to Mars, including the space transportation systems, life support systems, landing systems, habitat requirements on Mars and how to sustain life during transit and once on the red planet. We will assess the current state of technology, including current US, international and private space activities, and develop an understanding of what is required to conduct an initial crewed mission to Mars, as well as what is required to sustain life on Mars for the long term.

Junior or senior standing required for undergraduates.

SYEG 586 Launch Vehicle Technology and Design Evolution (3 semester hours)

This course provides an overview of launch vehicles and launch vehicle technology, including a foundation for understanding system analysis and design principles as well as the related systems engineering processes. The course will cover the history and evolution of rocketry including the geopolitical influences that have shaped launch vehicle development and design. Government and commercial applications of future launch vehicle architecture and technology will also be explored.

SYEG 587 Resilient Space Systems Design (3 semester hours)

The concepts presented in this course provide guidance for designing for resilience and the trades that are best considered to accomplish it. Commercial and Civil space systems designers have to consider the impact of hazards to satellites and planetary probes that include solar flares and space weather, the natural radiation environment and other threats. Designers of military satellites have to consider nuclear effects and intentional interference in addition to the natural hazards. As space grows more congested, additional threats are posed by neighboring satellites and the growing problem of space debris. The study of resilience encompasses all of these concerns as well as the mitigation of emerging threats to both satellites and the associated ground systems, such as cyber-attacks.

SYEG 588 Satellite Guidance, Control, and Operations (3 semester hours)

This course provides an introduction to satellite guidance, control, and operations systems engineering. The first part of the course will introduce the major elements of the guidance and control system and describe how they interact with each other. We will also learn how requirements drive unit selection and system design. The latter part of the course will provide an introduction to spacecraft post-launch operations, covering initial orbit raising and spacecraft testing through on-station operations. We will also discuss spacecraft autonomy and contingency operations. Real-life examples will be provided to emphasize key concepts.

SYEG 598 Special Studies (1-3 semester hours)**SYEG 599 Independent Studies (1-3 semester hours)**

SYEG 600 Advanced Systems Engineering and Program Management (3 semester hours)

This course will cover the skills required for systems engineers to move into program management, and for program managers to become successful leaders. The course will examine key system engineering processes and their utility for programmatic decision-making (Risk & Opportunity management, Technical Performance Measures, schedule execution metrics, etc.). We will study transition into program management, with a focus on requisite soft skills (e.g., leadership types, team development and motivation, communication) and hard skills (e.g., decision making, risk management, issue management). We will study the customer's view and influence on programmatic decisions and execution. Later lectures will consider program leadership and execution within the context of the broader corporate enterprise and address concepts such as corporate strategy, branding, and product development.

Prerequisite: SYEG 500.

SYEG 620 Manufacturing Processes and Quality Systems (3 semester hours)

This course teaches the essential components that effective corporations use to achieve implement robust manufacturing process, and rigorous quality systems to ensure maximum customer satisfaction at the lowest overall cost, by delivering quality products and services. Manufacturing Processes and Quality Systems are taught through a series of lectures and hands-on simulations in the lab/design center and projects that demonstrate the critical elements of both Manufacturing Processes and Quality Systems. The essential elements of developing designs for manufacturability, quality control processes and supplier quality within an organization will be reviewed. This course will promote mastery of the basic concepts and practices of manufacturing processes and quality system management through a review of basic manufacturing and quality concepts such as Product and Process Design, Product and Process Control, Six Sigma, Statistical Process Control and Design of Experiment. This course is applicable to a wide range of businesses and organizations including manufacturing, service, government, education, and healthcare.

SYEG 640 Model Based Systems Engineering (3 semester hours)

This course is a follow on course to Systems Architecture that incorporates the use of Model Based Systems Engineering (MBSE) with an additional focus on the Object Management Group's standard system modeling language (SysML). Topics include the history of and influences on MBSE; the role of Ontologies and Meta Models in MBSE; model usage for requirements analysis, specialty engineering, systems architecting, functional analysis, trade space analysis, performance analysis and costing; MBSE in the context of Model Based Engineering (MBE) across disciplines (Systems, Software, Mechanical, Electrical, etc.); and examples of MBSE including System of Systems, Mission Analysis, Operational/Business analysis, and platform-specific system trades space analysis. The SysML focus area will concentrate on development of SysML and physics-based model examples using modeling tool suites to facilitate understanding of the four pillars of SysML: Structure, Behavior, Requirements, and Parametrics, and translate those models into practical solutions. Students will learn to plan the use of MBSE processes and methods in the Systems Engineering lifecycle; leverage the systems architecture context for systems models and specify the boundary conditions for subsequent analytic and simulation studies; select the appropriate level of granularity for modeling various systems engineering trades; use standards-based tools to create, update, and deploy system models; and conduct engineering trade study analyses based on system Quality Attributes.

Prerequisite: SYEG 500.

SYEG 650 Systems Architecture (3 semester hours)

This course will enable students to create, develop, and integrate complex system architectures. Specific goals include 1) improve the student's understanding of the role of system architects and their relationship to systems engineering and integration, 2) applying the system architecture concepts to define an enterprise baseline, 3) creating an architectural blueprint for transforming the enterprise, 4) identifying capability gaps as well as redundancies, and 5) facilitating effective systems integration. Course objectives will be met through lectures, discussions, readings, in-class team exercises, and applied case studies.

Prerequisite: SYEG 500 or concurrent enrollment.

SYEG 651 Software Architecture (3 semester hours)

This course will provide an understanding of what software architecture is, why we need it and common architectural patterns used in software-intensive systems. It examines architecture from different viewpoints to develop understanding of the factors that matter in practice, not just in theory. It examines two aspects that are specific to the issue of evolving software intensive eco-systems: design of domain appropriate architectures and what it means to be an evolvable architecture.

SYEG 662 Secure Software Development (3 semester hours)

Theoretical foundations and best practices in software development security. This course will examine the application of security techniques in all phases of the software life cycle (from requirements analysis through deployment and maintenance) with emphasis on writing secure code and application layer security. This course will provide introductions to the various methodologies to increase secure coding awareness and boost code integrity. Topics will cover common malicious attack vectors in application layer vulnerabilities such as SQL injections, Cross Site Scripting (XSS), and those found in the OWASP Top 10 CWE/SANS TOP 25 Most Dangerous Software Errors. The course will cover static and dynamic code analysis and identify tests, environments, tools, and the documentation of findings. As the tools necessary for effectively conducting secure software development activities largely depends on the technology and languages employed, common languages, platforms, development environments and the unique capabilities of each will be addressed.

Prerequisite: SYEG 560

SYEG 664 Advanced Cybersecurity Management (3 semester hours)

This course will focus on incorporating an enterprise approach and using sound systems engineering principles in implementing cybersecurity in today's modern highly complex and interconnected information systems. This course will provide introductions to the various cybersecurity frameworks, standards, and best practices (NIST, COBIT, ISO/IEC, NERC, HIPAA, CIS Critical Security Controls) in use by both government and commercial sectors. We will explore the benefits and limitations of each and provide detailed instruction on developing a cybersecurity risk management program that would be incorporated into an organization's overall risk profile. Focus of this course will also be placed on reporting cybersecurity metrics and incidents to the board of trustees/directors, the C-suite and other executive leadership. Emphasis will be placed on utilizing the proper business acumen to effectively communicate complex technical cyber problems and challenges. Legal and privacy considerations will be addressed as well as forensics, disaster recovery and incident response planning and management, and security education. The course will cover the importance of third party management and how service level agreements play an integral part in managing risk at the enterprise level. Tabletop exercises, guest speakers and case studies will augment lecture materials on key concepts and principles.

Prerequisite: SYEG 660 (may be taken concurrently).

SYEG 668 Systems Engineering Modeling and Analysis (3 semester hours)

This course emphasizes the development of analytic modeling skills and the effective applications of operations research methods in policy, management, and planning settings. A set of widely used models including linear programming, decision analysis, queuing, and forecasting is introduced. We explore how to effectively use these models, as well as their strengths and limitations in different problem and organizational contexts. The goal of this course is to teach systems engineers, policy makers, and managers to gain analytical skills and apply them to complex problems. To this end, students will learn: 1) to structure problems so they can be effectively addressed, 2) to formulate models that are useful in different decision situations, 3) to use spreadsheet software to solve these models, and 4) to effectively present quantitative analysis to clients.

Undergraduate-level statistics is recommended.

SYEG 670 Spacecraft Design (3 semester hours)**SYEG 673 New Product Design and Development (3 semester hours)**

This course will provide students with an overall understanding of the concepts of entrepreneurship, designing a new product, and developing both a business plan and a prototype for that product to bring it to market. It combines MBA and engineering graduate students into teams that will decide upon a new product idea to pursue and then embark on bringing that idea to fruition. While the course is heavily experiential, it will also provide solid models of how to manage this type of function in business or technical settings. This class is not only about learning the process, but also about risk and failure; growing from those experiences and learning how to forge those experiences into workable plans and products.

SYEG 691 Systems Engineering Case Studies (3 semester hours)

Graduate students electing the thesis option must obtain a thesis advisor before departmental consent will be considered and comply with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Permission from academic advisor required.

SYEG 692 Thesis II (3 semester hours)

Students continue with further research and/or development of their Thesis project for a second semester.

Required: Approval from academic advisor

SYEG 695 Preparation for Capstone Project (0 semester hours)

This course is typically taken prior to the SYEG 696 Integrative Project/Thesis. The student develops a project plan, gains advisor approval, and presents the plan to a panel.

SYEG 696 Graduate Capstone Project (3 semester hours)

Capstone course in which each student working individually applies and demonstrates the mastery of the systems engineering process to a complex technical and/or social endeavor. This course should be taken in the last semester of the study program.

SYEG 698 Special Studies (0-3 semester hours)**SYEG 699 Independent Studies (1-3 semester hours)**

THEA 110 Beginning Acting (3 semester hours)

An introduction to the interpretation of drama through the art of the actor.

Non-majors and Theatre Arts minors only.

University Core fulfilled: Explorations: Creative Experience.

THEA 111 Introduction to Theatre Performance (3 semester hours)

An introduction to the study of acting with a foundation in realism and physical actions. Emphasis is placed on a variety of critical and creative theories, and techniques to cultivate imagination, focus, and embodied creativity, self-awareness, vocal and physical range, and script analysis. Suitable for beginners and students with some performance experience.

Theatre Arts majors only.

University Core fulfilled: Explorations: Creative Experience.

THEA 113 Voice and Speech (3 semester hours)

This is an experiential, introductory course in voice and speech for the actor. Principles of Fitzmaurice Voicework® and Knight-Thompson Speech Work are used to introduce the actor to their instrument and build skills and strategies for effective communication without excess effort.

Prerequisite: THEA 111.

Theatre Arts majors only.

THEA 114 Movement for Actors (3 semester hours)

An introduction to free the actor's physical instrument and explore, develop, and practice techniques for expressing through the body.

Prerequisites: THEA 110 or THEA 111.

Theatre Arts majors only.

THEA 120 Stagecraft (3 semester hours)

An introduction to basic organization, vocabulary, materials, and techniques of the construction of scenery, the reading/executing of basic graphic documents, operation of equipment, and the creative process for performance. This class includes a basic overview of how theatres function, the relationship of designers to the process, and the connections between scenery and other craft areas like costumes, lighting, and sound.

Corequisite: THEA 121.

Theatre Arts majors only.

Lab fee required.

THEA 121 Stagecraft Lab (0 semester hours)

An application of basic modern theatrical practices in a lab format through hands-on experience in a scene shop. Course work correlates with instruction in THEA 120.

Corequisite: THEA 120.

Credit/No Credit only.

THEA 124 Costume Craft (3 semester hours)

An introduction to the basic organization, vocabulary, materials, and techniques of the construction, the operation of equipment, and creative process of costumes for performance. This course includes a basic overview of how theatres function, the relationship of designers to the process, and the connections between costumes and other craft areas like scenery, lighting, sound, and makeup. A lab fee provides practical application of techniques and methods.

Corequisite: THEA 125.

Theatre Arts majors only.

Lab fee required.

THEA 125 Costume Craft Lab (0 semester hours)

An application of basic modern theatrical practices in a lab format through hands-on experience in a costume shop. Course work correlates with instruction in THEA 124.

Corequisite: THEA 124.

THEA 126 Lighting and Sound Craft (3 semester hours)

An introduction to the basic organization, vocabulary, materials, and techniques of lighting/sound, including the reading/execution of basic graphic documents, operation of equipment relating to light/sound craft, and the creative process for performance. This course includes a basic overview of how theatres function, the relationship of designers to the process, and the connections between lighting/sound and other craft areas like costumes and scenery.

Corequisite: THEA 127.

Theatre Arts majors only.

Lab fee required.

THEA 127 Lighting and Sound Craft Lab (0 semester hours)

An application of basic modern theatrical practices in a lab format through hands-on experience in lighting/sound. Course work correlates with instruction in THEA 126.

Corequisite: THEA 126.

THEA 175 Script Analysis (3 semester hours)

Exploring methods of investigating the script for the actor, designer, director, and others in order to inform artistic choices.

Theatre Arts majors and minors only.

THEA 198 Special Studies (3 semester hours)

An exploration, study, and practice of any aspect of Theatre.

May be repeated once for credit when course topic differs.

Lab fee required.

THEA 199 Independent Studies (1-3 semester hours)

This course may be repeated for up to six credit hours when subject-matter differs.

THEA 210 Scene Study and Presentation (3 semester hours)

A concentrated approach to Stanislavski-based scene analysis and presentation. Emphasis on further development and integration of acting skills in voice, movement, interpretation, and character development for performance.

Prerequisite: THEA 110, THEA 111, or equivalent experience.
Theatre Arts majors only.

THEA 223 Lighting Design I (3 semester hours)

An introductory course which explores stage lighting design as a medium and art form focusing on its aesthetic contribution to productions of different genres, styles, and/or periods of theatre and dance. Combining the development of practical skills and imagination, this course emphasizes the application of lighting design elements and principles, research, process, and script analysis in developing lighting designs. An initial exposure to lighting technology, equipment, and safety is included. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable graphic forms. Students are assessed on their development and integration of concepts and principles into their critical and creative work, share their work with peers, and critically review productions.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

THEA 224 Scene Design I (3 semester hours)

An introductory course in designing scenery for the stage. Combining the development of practical skills and imagination in the development of scenic designs, this course explores the basics such as ground plan formation, research, script analysis, color, basic rendering and/or drafting, and model making techniques. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable graphic and three dimensional forms. Craftsmanship is stressed in the execution of projects. Students will be assessed on their development and integration of concepts and principles into their critical and creative work, share their work with peers, and critically review productions.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

THEA 225 Basic Stage Make-up (3 semester hours)

An introduction to the art and application of stage make-up, hair, and wigs required in performance with a brief historical overview. Recommended for those interested in practical application and production.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

THEA 226 Sound Design I (3 semester hours)

An introductory course which explores stage sound design as a medium and art form focusing on its aesthetic contribution to productions of different genres, styles, and/or periods of theatre and dance. Combining the development of practical skills and imagination, this course emphasizes the application of sound design elements and principles, research, process, and script analysis in developing sound designs/soundscapes. An initial exposure to sound technology, equipment, and safety is included. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable forms. Students are assessed on their development and integration of concepts and principles into their critical and creative work, share their work with peers, and critically review productions.

Lab fee required.

THEA 227 Costume Design I (3 semester hours)

An introductory course in designing costumes for the stage which explores the aesthetic and practical contributions of costume design to productions of different genres, styles, and/or periods in theatre. Combining the development of practical skills and imagination, this course emphasizes the application of design elements and principles, research, process, silhouette, fabric choice, and script analysis in developing costume designs for both individual characters and overall ensemble. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable graphic forms. Craftsmanship is stressed in the execution of projects. Students will be assessed on their development and integration of concepts and principles into their critical and creative work, share their work with peers, and be required to critically review productions.

University Core fulfilled: Explorations: Creative Experience.
Lab fee required.

THEA 234 Introduction to Meisner Technique (3 semester hours)

An introduction to basic Meisner technique.

Prerequisite: THEA 110 or THEA 111.
Theatre Arts majors/minors only.

THEA 240 Theatre History and Literature I (3 semester hours)

The history of world theatre from its origins to the seventeenth century A.D. The theatre is viewed as a prism of social concerns, anxieties, and aspirations, in particular historical settings: Antiquity: Ancient Greece, Rome, and India; the Middle Ages in Europe and Asia; and Renaissance Europe and seventeenth-century Asia.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.
Offered in the Fall semester.

THEA 242 Introduction to Playwriting (3 semester hours)

An introduction to the techniques of writing plays for the theatrical stage focusing on idea generation, structure, dialogue, character development, conflict and tension, theme, meaning, and theatricality.

University Core fulfilled: Explorations: Creative Experience.

THEA 245 Theatre History and Literature II (3 semester hours)

The history of world theatre from the eighteenth century to the present. The theatre and other performing arts traditions are viewed as a prism of social concerns, anxieties, and aspirations, in particular, historical settings.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

Offered in the Spring semester.

THEA 247 Diversity in American Drama (3 semester hours)

A study of American diversity through American drama. Students engage plays created by a variety of communities and identities. The course is grounded in foundational work of ethnic, gender, and women's studies disciplines in celebrating BIPOC creativity around us.

University Core fulfilled: Foundations: Studies in American Diversity. Lab fee required.

THEA 249 Theatre and/as Theology (3 semester hours)

This course explores theatre and drama as forms of theology, specifically Catholic theology, by considering the presence of theological meanings in plays from the medieval period to the present, as well as examining theologies that use drama and theatre as a metaphor for understanding the divine, creation, and the relationship between humanity and God.

University Core fulfilled: Foundations: Theological Inquiry.

THEA 266 Introduction to Camera Acting (3 semester hours)

An introduction to the basics of acting for the camera. Exercises and scenes will be taped. Students will also learn basic camcorder, microphone, and lighting usage.

Prerequisite: THEA 111.
Theatre Arts majors only.
Lab fee required.

THEA 298 Special Studies (3 semester hours)

An exploration, study, and practice of any aspect of Theatre.

May be repeated once for credit when course topic differs.
Lab fee required.

THEA 299 Independent Studies (1-3 semester hours)

This course may be repeated for up to six credit hours when subject-matter differs.

THEA 300 Theatre in Los Angeles (3 semester hours)

Theatre-going and appreciation designed for the potential audience member through first-hand meetings with theatre artists and attendance at Los Angeles productions.

May be taken twice, for up to 6 credit hours.

University Core fulfilled: Explorations: Creative Experience [ECRE].
Standard letter grade.
Lab fee required.

THEA 310 Intermediate Scene Study (3 semester hours)

A continuation of THEA 210, this course continues toward the development of the integration of acting skills in scene and text analysis, accessing emotional life, voice, movement, interpretation, and character development for performance. This course is a deeper and more rigorous exploration of the acting process.

Prerequisite: THEA 111.
Theatre Arts majors only.

THEA 311 Intermediate Voice (3 semester hours)

This is an experiential course in Fitzmaurice Voicework® fundamentals. A series of physical dynamic efforts are offered to facilitate the release of embodied, spontaneous sound, followed by the support, and focus of sound to communicate with grounded presence and clear intention.

Prerequisite: THEA 113 or 312.
Theatre Arts majors only.

THEA 312 Voice Development (3 semester hours)

A course of foundations and applications designed to introduce vocal function, expand vocal range, communication, and expressivity, with application to embodied rhetoric.

Prerequisite: THEA 111, 113, or 114.
Theatre Arts majors only.

THEA 316 Improv for the Actor (3 semester hours)

An introduction to basic improvisational techniques for use on stage or to develop character. Students learn a variety of games, techniques, and skills.

THEA 317 Dialects and Accents (3 semester hours)

This course teaches the tools, skills, and strategies for theatrical accent acquisition. Foundational instruction of speech anatomy and phonetics will be applied to a sampling of commonly performed dialects and accents.

Prerequisite: THEA 111, 113, or 114.
Theatre Arts majors only.

THEA 318 Stage Combat (3 semester hours)

Students study the methods and techniques of safe fight choreography for the stage. Topics include unarmed combat, sword fighting, and, when possible, safe firearms for the stage.

Prerequisite: THEA 114 or permission of instructor.
Lab fee required.

THEA 328 Technical Theatre Workshop Lab (0 semester hours)

Lab for Technical Theatre Workshop.

Corequisite: THEA 329.

THEA 329 Theatre Crafts Workshop: Stagecraft (3 semester hours)

The study of specific techniques related to design for performance, such as but not limited to: Figure Drawing, Hand/CAD Drafting, Costume Construction, Millinery and Costume Crafts, Technical Direction, Scenic Painting, Vectorworks, Model Making, 3-D Printing, and Computers in Theatre. May be repeated only when a different technique is offered.

Prerequisites: THEA 120 or THEA 124 or THEA 126.

Corequisite: THEA 328.

Lab fee required.

THEA 330 Costume History and Fashion (3 semester hours)

A survey of the evolution of clothing styles through history comparing Western dress with global and traditional dress aesthetics. The study of historical costume as it reflects sociological, psychological, economic, political, artistic, technological, and other factors. Topics discussed include: social rank, ethnicity, gender manifestation, evolution of style, designers, social constructs, and human society, in particular historic eras. Objects of dress are studies as primary artifacts of culture.

University Core fulfilled: Explorations: Creative Experience.

Lab fee required.

THEA 331 Classical Spirit in Drama (3 semester hours)

The course examines the influence and impact of Classicism in historical and social discourse through changing interpretations in multiple language cultures and eras. This is achieved by analysis of texts, examination of the social and historical conditions reflected in the texts, as well as the study of performances and interpretations in the twentieth and twenty-first centuries.

University Core fulfilled- Integrations Interdisciplinary Connections.

THEA 335 Renaissance Drama in Action (3 semester hours)

A study of the plays of the English Renaissance, how combat and violence were dramatized, and contemporary stage combat practices.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THEA 336 Romantic Spirit in Drama (3 semester hours)

The course examines the influence and impact of Romanticism in historical and social discourse through changing interpretations in multiple language cultures and eras. This is achieved through analysis of texts, examination of the social and historical conditions reflected in the texts, as well as a study of performances and interpretations in the nineteenth, twentieth, and twenty-first centuries.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THEA 337 Japanese Theatre into Cinema (3 semester hours)

This course explores the relationship between traditional theatre in Japan and its cinema.

THEA 338 Traditions of Indian Performance (3 semester hours)

An exploration of performance in India.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THEA 341 Realistic Spirit in Drama (3 semester hours)

An exploration of the realistic drama throughout major periods.

THEA 343 Shakespeare: Stage and Screen (3 semester hours)

The course examines the influence of Shakespeare in historical and social discourse in multiple language cultures and eras. This is achieved by analysis of texts, examination of the social and historical conditions reflected in the text, as well as a study of performances and interpretations for the last three-and-a-half centuries.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THEA 344 Catholic Spirit in Drama (3 semester hours)

An exploration of the relationship between the Roman Catholic Church and drama throughout major periods, including contemporary explorations of faith through theatre.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THEA 345 Jewish Spirit in Drama (3 semester hours)

An exploration of the representations of Judaism and Jews in theatre and drama, as well as the dramatization of the Jewish experience. Particular attention is paid to Yiddish Theatre, Holocaust drama, and Jewish American drama, including American adaptation of Yiddish classics.

University Core fulfilled: EXP Historical Analysis & Perspectives.

THEA 346 Avant-Garde Spirit in Drama (3 semester hours)

The course examines the influence and impact of the Avant-garde in historical and social discourse through changing interpretations in multiple language cultures and eras. This is achieved by analysis of texts, examination of the social and historical conditions reflected in the texts, as well as a study of performances and interpretations in the twentieth and twenty-first centuries.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THEA 347 African Spirit in Drama (3 semester hours)

An exploration of African theatre and theatre of the African diaspora in the United States, the Caribbean and elsewhere.

University Core fulfilled- Integrations: Interdisciplinary Connections.

THEA 348 Asian Spirit in Drama (3 semester hours)

An exploration of the Asian drama throughout major periods.

University Core fulfilled- Integrations: Interdisciplinary Connections.

THEA 349 Latine Spirit in Drama (3 semester hours)

This course will study contemporary performance works and plays by Latin American and U.S. Latinx playwrights. Student will read plays from the emerging Latinx canon while integrating supplementary texts including reviews, critical analyses, essays, and theoretical studies examining Latinx theatre since its conception. Representative works by Latinx playwrights will be discussed in light of issues such as labor and immigration, gender and sexuality, generation gaps in Latinx culture, hybridized identities, interculturalism, and the United States' relationship with Latin American nations.

THEA 351 Theatre Practicum: Performance (0-3 semester hours)

The application of actor training methods and techniques to departmental productions or the Senior Industry Showcase. Students will rehearse multiple evenings each week; performance rehearsals, technical rehearsals culminating in a series of performances for the LMU and general public.

May be repeated up to 12 units of credit.

Audition required.

Permission of instructor required.

Lab fee required.

THEA 355 New Works Festival (3 semester hours)

The New Works Festival course works with the various different creative areas to produce and present the festival: playwriting, directing, design, and stage management. Actors take THEA 351 and student crew members take THEA 450.

May be repeated for up to 6 units.

Permission of instructor required.

Lab fee required.

THEA 366 Acting for the Camera (3 semester hours)

This course builds on basic camera acting knowledge and experience through various filmed exercises and scenes.

Prerequisite: THEA 266.

Theatre Arts majors only.

Lab fee required.

THEA 369 Stage Management (3 semester hours)

This course studies and practices the job duties and skills required of Production Stage Managers where all phases of production are examined from both theoretical and real-world models including those with educational, community, regional, and Broadway theatres.

Prerequisites: THEA 120 or THEA 124 or THEA 126.

Lab fee required.

THEA 370 Directing for the Theatre I (3 semester hours)

This course examines and practices basic elements of stage direction. Students will explore script analysis from a director's point of view, develop and practice effective communication with actors and designers, and learn to identify elements of direction that communicate story, theme, and concept.

Prerequisites: THEA 111 and one of the following: THEA 120, THEA 124, THEA 126, THEA 175.

Theatre Arts majors/minors only.

THEA 381 Voices of Justice (3 semester hours)

An oral histories writing and performance course which includes meeting and interviewing members of advocacy agencies associated with various social justice issues. Students will select from such topics as: homelessness, human trafficking, immigration, restorative justice, among others, in various semesters. Working in project teams, students will interview agency staff/clients, transcribe, and dramatize the original research, culminating in a presentation of the stories as dramatized narratives.

May be repeated for credit up to 6 semester hours.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

THEA 382 Theatre and Social Change (3 semester hours)

Students will explore how performance can be used in the community as a tool for social change. They will compare how playwrights, artists, practitioners, and educators use theatre to address social and political conflict across diversity of contexts, issues, and locations within both traditional and non-traditional settings. Through readings of plays, performance texts, historical documents, and theory, students will discuss and challenge the role of theatre in society as a means for change.

THEA 383 Comedy and Social Change (3 semester hours)

An exploration of the use of humor for social justice purposes.

THEA 385 Voiceover Technique (3 semester hours)

An introduction to the techniques involved in voiceover for film, radio, television, and other.

Prerequisite: THEA 111.

THEA 398 Special Studies (3 semester hours)

An exploration, study, and practice of any aspect of Theatre.

May be repeated once for credit when course topic differs.

Lab fee required.

THEA 399 Independent Studies (1-3 semester hours)

This course may be repeated for up to six credit hours when subject-matter differs.

THEA 400 Playwriting Workshop (3 semester hours)

An advanced seminar in writing full length shows for the theatrical stage.

Prerequisites: THEA 175, 242

THEA 410 Advanced Scene Study (3 semester hours)

A concentrated approach to advanced scene analysis, with emphasis on working with styles of performance such as classical/rhetoric-based texts, texts from the theatre genres/performance styles.

Prerequisite: THEA 111, 210 or 310.

Theatre Arts majors only.

THEA 412 Advanced Movement for Actors (3 semester hours)

The exploration of the acting process through the use of the body, and how an unblocked natural physical connection can expand range, versatility, and full range of expression.

Prerequisite: THEA 114.
Theatre Arts majors only.
Lab fee required.

THEA 413 Devised Ensemble Theatre (3 semester hours)

An introduction and exploration of various contemporary ensemble devising methods towards the creation of new works for the stage. Through research, writing, physical theatre, and workshop techniques, students will develop the tools to collectively conceive, develop, and present original theatrical work.

Prerequisite: THEA 111.
Theatre Arts majors only.
May be repeated once for degree credit.
Permission of instructor required.

THEA 418 Advanced Stage Combat (3 semester hours)

Students study more complex methods and techniques of safe fight choreography for the stage. Topics include sword fighting, safe firearms for the stage, and choreography.

Prerequisites: THEA 110 or THEA 111 and THEA 114 and THEA 318.
Lab fee required.

THEA 420 Advanced Theatre Design Seminar (3 semester hours)

Some area of advanced design is emphasized and studied in depth. Topics may include Set, Costume, Lighting, Sound, Make-up, Digital and/or Projection, and other relevant design fields. May be repeated once for credit only when a different design topic is studied.

Prerequisite: THEA 223 or THEA 224 or THEA 227 or permission of instructor.
Lab fee required.

THEA 421 Design III: Mainstage Design (3 semester hours)

This course is an advanced study of all the design areas. Students will research, create, communicate, present, and implement the design of a production within the department season. Drawing, drafting, model building, storyboards, and painting will be employed. All students in design roles within the department must register for this class. May be repeated once when a different topic is offered.

Prerequisite: THEA 223 or THEA 224 or THEA 227 or permission of instructor.

THEA 430 Special Author/Genre Seminar (3 semester hours)

Reading and writing intensive seminars drawing upon the areas of expertise of faculty members. Individual courses can meet university core requirements. Please check the schedule of classes for specific courses offered during a semester and their attributes.

May be taken up to three times when different topics are covered.

THEA 435 Special Period Seminar (3 semester hours)

Study of 20th Century American Drama, American Drama through the 19th Century, Modern British Playwrights, 17th and 18th Century Comedy, or other topics in theatre history. Recent offerings include: Renaissance Drama In Action. Individual courses can meet university core requirements. Please check the schedule of classes for specific courses offered during a semester and their attributes. May be repeated twice when a different topic and/or period is studied.

THEA 436 Theatre in Culture, Art, & Society (3 semester hours)

Theatre in Culture, Art, and Society is an inter-disciplinary course that examines different aspects of Theatre (acting, design, history, etc.) and the influence it exerts on culture, art, and society through a historical or sociological lens. This course is intended for Study Abroad experiences during which lectures, readings, hands-on experiences, and immersive cultural site visits will evaluate the relationships between Theatre as an art form and the larger society using concepts from sociological theories (i.e. habitus, taste, self, identity) to examine identity, identity-making, design, cultural appropriation vs. cultural exchange, traditional artisanship & craft, traditional performance, and making. Students will visit historic sites, create work, read scholarly articles, write in various modes, debate ideas of identity, collaborate, peer-critique, and analyze their experiences in a foreign country.

Theatre Arts majors only.
Study Abroad only.
University Core fulfilled: Integrations: Interdisciplinary Connections. Flag: Engaged Learning.
Lab fee required.

THEA 450 Theatre Practicum: Crew (1-3 semester hours)

Students are instructed and mentored as they assume positions of managerial or creative responsibility and/or leadership in mounting departmental productions or publicity.

Prerequisites: THEA 120 or THEA 124 or THEA 126.
Theatre Arts majors/minors only.
1 unit for running crew, 2 units for assistant design or assistant stage managing, 3 units for stage managing or assistant directing.
University Core fulfilled: Flag: Engaged Learning.

THEA 461 Acting: Special Genre (3 semester hours)

An exploration of advanced acting techniques and particular genres such as comedy of errors, Shakespeare, Chekhov, and Meisner. May be repeated once for degree credit as long as course content is different.

Theatre Arts majors only.
Permission of instructor required.

THEA 463 Acting: Auditions and Cold Reading (3 semester hours)

A course in the development and practice of cold-reading, audition, and interview techniques/skills necessary to obtain professional work in the performing arts. Students will develop an effective and organized business approach toward their careers by learning how to market their talent, develop a professional portfolio, necessary for the audition and interview process.

Theatre Arts majors only.
Permission of instructor required.
Lab fee required.

THEA 467 Career Development (3 semester hours)

An overview of current trends the business of acting: casting, joining the union, finding an agent for professional work in theatre, television, and film. Includes: discussions and visits from working professionals (i.e. agents, managers, actors, casting directors, etc.), working on set, and professional standards.

Prerequisites: THEA 111 and 370. 370 may be taken concurrently
Lab fee may be required.

THEA 470 Advanced Directing (3 semester hours)

This course focuses on developing the collaborative skills necessary for successful directing and acting. Directors and actors will work closely together, understanding their craft and process in order to draw out the best performances. Practical tools will be explored for pre-production, rehearsals, and on set, with an emphasis on trust-building, problem-solving, and feedback. Students will deepen their understanding of the director's role, preparing for scenes with a director's vision in mind and collaborating with their peers to achieve the truth of the performance. Emphasis will be placed on professional preparation, adaptability, and effective communication.

Prerequisites: THEA 111 and 370

THEA 475 Conservation Methods (3 semester hours)

This special seminar course will focus on the hands-on work of conserving various types of historic mediums (textiles, paper, paintings, etc.). Using the historic vestments of the Mission-era collection and other objects in the Department of Archives and Special Collections of the William H. Hannon Library, this course will interface history, art, costume, chemistry, textile science, and the ethical questions of conservation, restoration, and sustainability that pertain to cultural heritage preservation of these material objects for future generations. Working in both the library and the Chemistry Labs, students will draw from multiple disciplines to examine, propose, and solve conservation issues through applying areas of expertise in textiles, history, and chemistry.

Permission of instructor required.

May be repeated up to 6 units as types of conservation approaches change.

University Core fulfilled: Integrations: Interdisciplinary Connections.

University Core fulfilled: Flag: Engaged Learning.

Lab fee required.

THEA 490 Senior Thesis Project (3 semester hours)

The preparation, research, writing, design performance and/or presentation of performance or research thesis.

Prerequisite: THEA 370, may be taken concurrently.
Senior Theatre Arts majors only.

THEA 491 Thriving as an Artist (3 semester hours)

This course explores the challenges, opportunities, and means to living as an artist. Students will be introduced to financial literacy, contracts, negotiation skills, unions, and granting/funding opportunities. This course focuses on non-performance careers in the field in national and regional arts ecosystems to develop professional skills including networking, mentoring relationships, and informational interviews. Guest speakers may be invited.

Prerequisites: THEA 111 and THEA 370. 370 may be taken concurrently.
Majors/Minors only.

Standard Grade.

Lab Fee required.

THEA 498 Special Studies (3 semester hours)

An exploration, study, and practice of any aspect of Theatre. May be repeated once for credit when course topic differs.

Lab fee required.

THEA 499 Independent Studies (1-3 semester hours)

This course may be repeated for up to six credit hours when subject-matter differs.

Theater majors only.

THEA 5998 Special Studies (3 semester hours)

Advanced undergraduate studies in special topics, teaching assistants, or specific graduate classes.

Permission of Instructor and approval by Graduate Director and Chair.

THEA 6000 Seminar - Introduction to Theatre Pedagogy (3 semester hours)

An introduction to the methodologies, challenges, and issues in teaching in general and in teaching theatre in particular.

THEA 6010 Seminar in Research and Writing Theatre (3 semester hours)

An introductory course to the fundamentals of theatre and performance studies research. Areas covered include: theories underlying theatre and performance studies, and putting these theories in conversation with primary texts and contexts. We also practice academic writing in its myriad avatars: job documents, grant applications, research and conference proposals, reviews, and academic essays.

THEA 6200 Issues in Theatre Pedagogy (3 semester hours)

A continuation and development of the issues raised in THEA 6000. Students research and discuss issues in theatre pedagogy and practice, particularly at the university level.

THEA 6300 Seminar - Teaching Acting (3 semester hours)

A seminar class dedicated to exploring the issues specific to teaching acting, examining different types of acting classes (beginning for the non-major, scene study, voice and movement, etc.) and considering the issues and challenges in teaching acting in different settings. This course also features a practicum element in which the student attends and assists a faculty member in teaching acting at LMU.

THEA 6310 The Teaching Voice (3 semester hours)

This course is an exploration of the teacher's voice and how it may guide the development of the student's voice. Areas of focus may include but are not limited to: presence, listening, touch, and communication, as applied to voice-based classes and individual instruction.

THEA 6320 Teaching the Specialized Acting Course (3 semester hours)

An exploration of teaching acting classes of a specialized nature, including but not limited to acting for camera, movement, acting the language play, advanced scene study, etc. May be taken up to 5 times for a total of 15 credit hours. May only be repeated when course subject is different.

THEA 6350 Techniques in Actor Coaching (3 semester hours)

Explores how to mentor and advise actors to enable them to improve their acting and dramatic performances, prepare for auditions, and better prepare for roles.

THEA 6355 Advanced Techniques in Actor Coaching (3 semester hours)

Continues the work in THEA 6350 Techniques in Actor Coaching, exploring advanced techniques in mentoring actors at all levels.

THEA 6360 Techniques for Teaching Acting for Film, Television, and New Media (3 semester hours)

A seminar class dedicated to exploring the issues specific to teaching acting for film, television, and new media. This course explores different pedagogical approaches to teaching on-camera acting and explores the practicalities of a media-based class such as editing student performances as a mode of critique and developing strategies for keeping current with the ever-changing digital landscape.

THEA 6420 Approaches to New Work Development (3 semester hours)

A theory and performance course in new play development methods. Practice and participation as writer, directors, or actors in staged readings and/or workshops.

THEA 6450 Writing and the Ensemble-Devised Performance (3 semester hours)

This course will examine the various techniques in generating material for an ensemble-derived performance in a classroom situation, including the selection of source material, creation of a physical vocabulary, developing a text, and compiling a script. The course will also examine the work of various devising companies, both national and international, and explore the processes by which they engage in collaborative creation.

THEA 6460 Children's Theatre (3 semester hours)

This course explores theatre by, for, and about children.

THEA 6470 The Teaching Artist (3 semester hours)

This course explores the role of the resident artist and the teaching artist, creating lesson plans and integrating one's artistry with a residency.

THEA 6510 Practicum: Teaching Beginning Acting (3 semester hours)

A course in which students teach Beginning Acting for the Non-Major and meet weekly to discuss challenges, issues, and approaches.

May be repeated for credit.

THEA 6551 Performance Practicum (3 semester hours)

Performing a role as part of LMU Theatre Arts production.

May be repeated for credit up to six semester hours.

THEA 6560 Vocal Coaching for the Theatre (3 semester hours)

This course will address topics of vocal coaching theatrical performances in educational settings. Topics may include but are not limited to: preparation, developing a vocal warm-up, coaching individual actors at varied levels of training, working with text, and addressing vocal health issues.

THEA 6570 Working with Voices (3 semester hours)

This course offers an experiential practice of voice work and its application for both teacher and student. Areas of exploration may include: Presence, Listening, Touch, Vocal Pedagogy, Developing a Vocal Warm-up, Working with Text, and Addressing Vocal Issues. Much of the work will be physical but modifiable for all body types.

THEA 6580 Theatre for Youth in Conjunction with Production (3 semester hours)

In this course students will learn the process and components of teaching youth theatre, particularly K-12, within the production process. Students will be able to design a course, write a curriculum, create lesson plans, and practice implementation.

THEA 6600 Survey of Dramatic Literature (3 semester hours)

A review of dramatic literature from its origins in ancient Greece and India through the present.

THEA 6650 Theories of Acting and Directing (3 semester hours)

An academic seminar on the theories of acting and directing, including but not limited to Aristotle, Diderot, Brecht, Stanislavski, Chekhov, Grotowski, Craig, Suzuki, Strasberg, Spolin, Adler, Meisner, Antoine, Meyerhold, Kazan, Brook, Clurman, Tagore, and many others. The course takes an international and historical overview to the crafts of acting and directing.

THEA 6700 Directing (3 semester hours)

A practical course that covers the pedagogy of stage directing. Students learn various techniques and processes, exercises all of which culminates in the direction of scenes for class observation.

THEA 6820 Design as Performance (3 semester hours)

This class critically and theoretically evaluates the scenographic effects on the aesthetics, politics, and issues of performance (theatre, dance, opera, etc.), including traditional genres, gendered spaces, devised work, site-specific work, influences on the body, new materials and techniques, and practical challenges facing the practitioner from small- to large-scale productions.

THEA 6850 Equity and Diversity in the Classroom (3 semester hours)

An exploration of how to ensure an equitable and diverse classroom, and engage issues of equity, diversity, and social justice.

THEA 6900 Thesis (3 semester hours)

Offered Fall semester.

THEA 6910 Thesis (3 semester hours)

Offered Spring semester.

THEA 6980 Advanced Topics in Theatre Pedagogy (3 semester hours)

An exploration of a variety of specialty topics which may include, but is not limited to, the academic job market, career planning and management, best practices for intimacy and violence in the classroom, and new trends in the field.

May be repeated for credit when a different topic is offered.

THEA 6998 Special Studies (1-3 semester hours)**THEA 6999 Independent Studies (0-3 semester hours)**

Individual instruction and supervision of a special project. Each learning experience must be designed in consultation with the supervising faculty member and include a contract between student and instructor.

THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation (4 semester hours)

The Hebrew Bible/Old Testament introduces the foundational stories and traditions for Judaism, Christianity, and arguably, also Islam. This course is a predominantly history-based survey and introduction to the literature of the Old Testament/Hebrew Bible (in English) where students will encounter not only memorable stories, but provocative prophets, beautiful poetry, stirring stories, and ancient wisdom.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1010 New Testament Contexts (4 semester hours)

This course introduces students to the New Testament writings in their historical, literary, social/ political, and religious contexts. Students will learn various methodological approaches to the study of the New Testament, as well as consider the history of interpretation and the role of modern social-location in the interpretive process.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1011 The Meaning of God: Biblical Reflections in Modern Perspective (4 semester hours)

Drawing on prominent biblical themes (creation, covenant, human sin, redemption, exile and return, prophetic witness, the Spirit/Wisdom of God, the mystery of a crucified messiah, etc.), this course traces the twists and turns of the biblical narratives as the basis for theological reflection on human existence in relation to the divine.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1012 Moses, Marx, Messiah (4 semester hours)

Reading Jesus through Moses plants the seeds of Jesus as Revolutionary Teacher in human history. Once we establish a Biblical social Radicalism in a reading of Moses and Jesus as Messiah, this course goes on to examine examples in Christian history of revolutionary Christian movements for change that were deeply rooted in Biblical ethics. Some of these movements came into dialogue with Marxism in the 20th Century, creating significant examples of dialogue such as Liberation Theology and European Christian-Marxist dialogue. What will revolutionary Christian movements look like in the 21st Century?

University Core fulfilled: Foundations: Theological Inquiry.

THST 1020 American Catholicism (4 semester hours)

This course is an examination of Catholics' search for transcendent meaning throughout the history of the United States. It examines the way Catholicism has formed in a historically Protestant land from its diverse colonial origins (Spanish, French, and English) through successive waves of immigration to today's multicultural context.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1030 Exploring the Catholic Theological Tradition (4 semester hours)

This course will introduce the structure, teachings, and practices of the Catholic tradition, including key historical, theological, and practical contours in dialogue with contemporary questions.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1031 Eastern Orthodox Theology (4 semester hours)

This course introduces students to the primary theological teachings of the Eastern Orthodox Church. The course explores theology through written sources and the lived tradition of Orthodox communities and treats topics such as life and death, sin, religious identity, the meaning of community, saints, Mary, iconography and music, postmodernity, and growing close to God.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1032 Augustine's Confessions (4 semester hours)

This course is a close, semester-long reading of Augustine's Confessions. We consider the meaning of Augustine's spirituality as well as the relationship between his broader experience and the development of his theological thought. We will situate our study within the context of the cultural and religious attitudes, thought, and practice of the late antique Mediterranean world in which Augustine lived.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1040 Christian Liturgy, Prayer, Sacrament (4 semester hours)

This course explores how Christian liturgy, prayer, and sacraments reveal what Christians believe and how they understand and relate to God by closely examining select ritual practices. The course will provide an overview of liturgy, personal and communal prayer, and sacramental celebrations.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1050 In Search of a Way: Spirituality, Faith, and Culture (4 semester hours)

This course will introduce students to the meaning and significance of spiritual practice in its distinctively Christian expressions and expressions associated with other traditions. The focus of the course is on "lived religion" - the embodied, eclectic and often improvisational character of spiritual experience, both collective and individual. It also seeks to understand the critical role of practice in shaping spiritual meaning and identity.

University Core fulfilled: Theological Inquiry.

THST 1060 God and the Good: An Introduction to Christian Ethics (4 semester hours)

This course provides a broad survey of foundational texts and ideas that have contributed - and continue to contribute - to the vast, diverse, and living body of moral thinking that constitutes "Christian Ethics."

University Core fulfilled: Foundations: Theological Inquiry.

THST 1080 Comparative Theology (4 semester hours)

This course takes a comparative approach to theological inquiry, examining fundamental religious questions in relation to two or three religious traditions (one of them being Christianity). The course emphasizes comparative analysis of primary religious sources and focuses on how diverse religious approaches to questions of ultimate concern might be mutually illuminative. The course also includes interactive encounters with practitioners of the religious under consideration.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1081 Introduction to the Qur'an (4 semester hours)

Full course description: This course introduces students to the vital role of religion in human experience by exploring literary, historical, and cultural dimensions of religious texts, patterns of belief, and related ritual and ethical practices. It does this through the life of Muhammad and the scripture he proclaimed, the Qur'an. Through a combination of interactive lectures and hands-on assignments, students will examine the worldview of the Qur'an, its textual history, and debates over the Qur'an's interpretation. Throughout, attention will be given to questions of universal human concern and areas of similarity and difference with the other Abrahamic religions, Judaism and Christianity. Students will also think reflexively about the process of studying the religion of others, past and present. We start with an historical background to the Qur'an, its canonical layout, the typical structure of its chapters (surahs), and an introduction to the Islamic exegetical tradition. We then look at the Qur'an's intertextual engagement with various biblical traditions. We will consider the textual transmission of the Qur'an, and its significance in Muslim practice.

University Core fulfilled: Foundations: Theological Inquiry.

THST 1500 World Religions in Los Angeles (4 semester hours)

This course is an introduction to the academic study of religion and of world religions, and to the religious traditions of Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam, and other current religious trends. Special emphasis is placed upon how these religious traditions have emerged within the context of Los Angeles, how they have changed, grown, and adapted to their new surroundings.

University Core fulfilled: Foundations: Studies in American Diversity.

THST 1501 Queering Race, Religion, and Ethnicity (4 semester hours)

This course will explore the intersections of race, religion, and ethnicity from perspectives evolving from the field of Queer Theory and grounded in the experiences of LGBT persons/communities. The course examines historical, political, social, and religious dimensions associated with the emergence of LGBT realities.

University Core fulfilled: Foundations: Studies in American Diversity.

THST 1502 Christianity and Native America (4 semester hours)

Christianity has been at the root of incredible suffering of indigenous peoples in the Americas, but it is also the source of great inspiration and resistance to oppression for many Native Christians as well. In this course, which involves an actual train journey from Los Angeles to Albuquerque and back (making important stops along the way), we will explore the centuries of Christian contact with Native peoples - the bad and the good. Two weeks of class on campus, and then a one-week train journey (no extra charges - costs of train trip included in tuition).

University Core fulfilled: Foundations: Studies in American Diversity.
Offered Summer semester.

THST 1998 Special Studies (1-4 semester hours)**THST 1999 Independent Studies (1-4 semester hours)****THST 2000 Beyond Belief: Theories of Religion (4 semester hours)**

What is religion? Does it exist and, if so, is it beneficial or a problem? This course introduces students to major theories and methodologies employed in the scientific field of Religious Studies that have emerged since the Enlightenment. These include approaches rooted in psychological, political, economic, social, orientalist, post-modern, post-structural, post-colonial, and gender-critical paradigms. The course will explore the most influential efforts to develop theories of religion and methods for its study and consider foundational questions underlying the field of Religious Studies (such as, 'what is religion?', 'why and how should we study it?', and 'is it necessary?'). Exploring a wide range of scientific theories of religion, we will consider the issues with each, paying particular attention to the contexts in which they emerge, and what is at stake – and for whom – in the politics of knowledge production.

University Core fulfilled: Understanding Human Behavior (EHBV).

THST 2998 Special Studies (1-4 semester hours)**THST 2999 Independent Studies (1-4 semester hours)****THST 3009 Gender, Sex, and Bible (4 semester hours)**

This is a course about the Bible and bodies. More specifically, it's about examining the portrayal of gender and gendered bodies in selected texts from the Bible and extra-biblical literature. Some questions we will ask include: What is the relationship between gender, sex, and sexuality? How are these categories (re)presented in the biblical canons? How might biblical texts be reflecting and/or deconstructing contemporaneous understandings of gender, sex, and sexuality? How have gendered interpretations of the Bible changed over time? In entertaining these questions, we will engage the interdisciplinary fields of biblical studies and gender studies. We will also consider how our readings might impact various communities (i.e., bodies) of storytellers and story-listeners, both in antiquity and today.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3020 Late Antique and Medieval Western Christianity (4 semester hours)

This course provides an introduction to aspects of Christian thought and practice from the first centuries through the late Middle Ages. We study the emergence of Christianity in the Roman empire, the rise of Christianity in late antiquity as well as early- and late-medieval expressions of Western Christianity.

Juniors and seniors only.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

THST 3021 The History of Christianity from the Middle Ages to the Present (4 semester hours)

This course traces central themes and developments within Christian thought and practice from the Middle Ages to the present. With a special emphasis on Western Christianity, the course examines major themes, which may include: church and empire; power and authority; monasticism; asceticism, and the concept of sanctity; the development of Christian theologies and tensions between heresy and orthodoxy; religious order; mysticism; reform and reformation; councils; feminist and liberation theologies.

Juniors and seniors only.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

THST 3022 Women in Christian History (4 semester hours)

This course examines the changing roles and perceptions of women in Christian history from its incipience to the 21st century. It highlights the impact of women's voices on the development of Christian thought and practice. This course puts into dialogue historical sources about and by women with contemporary readings and critiques.

Juniors and seniors only.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

THST 3023 Medieval Religious Thought and Practice (4 semester hours)

This course is an introduction to Christian thought and practice in the late Middle Ages through a detailed consideration of select topics: God; Saints; Mary; Demons, Body and Soul; Rituals (especially the eucharist); Death and the Afterlife.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3100 Judaism: Religion, History, Culture (4 semester hours)

This course will explore central aspects of Judaism from ancient to modern times (up to the beginning of the 20th century). It will focus on select texts and works of art, which mark significant moments in Jewish thought and practice. By examining Jewish text and art, students will learn how Judaism developed through negotiations with the traditions of the past as well as with the changing conditions of the present.

Juniors and seniors only.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

THST 3200 Prophecy and Bible in New Zealand (4 semester hours)

New Zealand is not only one of the most beautiful countries in the world - but one of the most fascinating. In this course, students will be introduced to the Prophets of the Old Testament but then explore how the Maori (the indigenous people of New Zealand) uniquely engaged the Prophetic tradition of the Bible as they embraced Christianity. Maori Prophets arose in the 19th Century, modeled heavily on the Biblical Prophets, and these Prophets led fascinating and inspiring movements that continue to inspire the Maori (and those of us who learn about them) to this day. Offered Summer semester - New Zealand Study Abroad course.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3210 Apostle Paul: Then and Now (4 semester hours)

An examination of the life and letters of Paul, with attention to the social, historical, literary, and theological contexts in which he lived and worked. The course also addresses contemporary issues in the interpretation of Paul's letters.

Junior or Senior standing only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3211 Jesus in Gospel and Film (4 semester hours)

An exploration of various portraits of Jesus in the Gospels, the identity of the historical Jesus, and contemporary interpretations of Jesus in various films.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3212 Theology after Crisis (4 semester hours)

This course engages significant questions surrounding crisis and tragedy in the modern world. This course surveys how trauma at the international, communal, and personal levels of experiences are explained through the lens of faith in biblical traditions.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3220 Eastern Christian Traditions (4 semester hours)

This course surveys Eastern Christian theological traditions by studying the history, theology, and practices of Oriental Orthodoxy, the Eastern Orthodox Church, and Eastern Catholic churches. Topics of more intense study will include the emergence of monasticism and its contribution to spirituality, Eastern liturgical and iconographic practices, surveys of ancient and contemporary hagiography, the Eastern views on Christology, the Church (ecclesiology), and the laity (marriage and moral theology), the ecumenical relationships among the Eastern churches, and between Eastern churches and the Roman Catholic Church.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning.

THST 3221 Greek Orthodox Tradition (4 semester hours)

This course approaches the study of the Greek Orthodox Church, also known as the Orthodox Church or Byzantine Christianity, from the theological, historical, cultural, and artistic perspectives. Students will study the Greek Orthodox Tradition in the context of the history of Roman, Byzantine and Ottoman Empires and the political and cultural changes in those years.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue (4 semester hours)

This course focuses on the theological, historical, cultural, and political factors that have shaped the European Christian communities. The course addresses theological questions in light of divergent perspectives about the authority and interpretation of Scripture, the authority of tradition and the Church, the meaning of individual and communal religious experience, and the prospects for ecumenical dialogue.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3223 Mystics and Heretics (4 semester hours)

This course explores the construction of otherness as it is related to divergent visions of authentic imitation of Christ and experiences of the presence of God. Spanning from late antiquity to the present, the course studies, among others, Augustine, Francis and Clare of Assisi, the Waldensians, the Humiliati, Meister Eckhart, Julian of Norwich, Thomas Merton, Leonardo Boff, Dorothy Day and the Catholic Worker movement, and the IHM sisters.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning.

THST 3224 Heretics, Monsters, and Poets (4 semester hours)

This course examines the constructions of otherness and estrangement in theological and literary texts spanning from antiquity to the present. The course aims to shed light on the persistent redefinitions of and tensions regarding orthodoxy, heresy, and otherness in the Christian traditions.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3225 The Truth Is Out There: Tales from the Margins of Religion (4 semester hours)

This course explores North American thinkers, ideas, and phenomena on the cultural margins from the 1950s until our historical moment. In doing so, this course hopes to demonstrate that although the phenomena of study may be located on the margins of the meta-narrative (frequently viewed as epiphenomena), they still wrestle with similar essential religious and existential questions as the center does, such as Who am I?, Who am I in relationship to God, fellow human beings, and the rest of creation?, What is authentic love?, How do I live life to the fullest?, How do I experience a Reality greater than myself?, Is there more to life than what I perceive?, Is there anything beyond death, How am I saved? etc. The course, adopting an interdisciplinary and intersectional methodology, will cover a broad variety of issues, such as anthropology, gender and sex, exile, death, feminism, eco-theology, mysticism, witchcraft and Wicca, universalism, the psychedelic movement (e.g., Aldous Huxley and Timothy Leary), apocalyptic ideas and movements (e.g., the Left Behind Series), and so-called Christian fringe movement (e.g., Heaven's Gate, Branch Davidians, Quiverfull). By highlighting these essential religious and existential questions, the course traces the continuities and discontinuities between the putative margins and center of Christianity in terms of questions and concerns.

University Core fulfilled: Integrations: Faith and Reason.

THST 3226 Migration and the Border: Social Context and Theory (4 semester hours)

In this course, students study migration and the border, coming to terms with the empirical reality of contemporary immigration while constructing their own theological response. The course begins with an examination of the social science of migration, with special emphasis on sociological study of migration and immigrant adaptation. Students then critically examine biblical and other historical texts that treat migration and movement, followed by a deep engagement with Christian theologies of migration, with a comparison to Jewish and Muslim approaches to migration. The course includes a visit to the U.S.-Mexico border, observing and discussing the institutions of border control and the stories of immigrants and deportees on both sides of the border. For those unable to go, equivalent engaged learning experiences will be available.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

THST 3230 Jesus, Kingdom, Church (4 semester hours)

The course will focus on Christology from two perspectives, the Jesus of history, recovered through critical, historical investigation, and the Christ of faith as the person and work of Jesus is understood in light of Christian faith. The contemporary optic considers salvation, mission, and Church.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3231 Catholicism after Vatican II (4 semester hours)

The course will study Catholicism in terms of the Council documents, at the same time looking at contemporary Catholicism, including young adult Catholics, the Catholic sacramental imagination, and the current questions over liturgy, sexuality, evangelization, and contemporary divisions in the Church.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3232 U.S. Latinx Theology (4 semester hours)

Rooted in the experiences of contemporary Latinx communities living in the United States, this course explores the unique contributions and challenges presented by the embodiment of Christian theology with a Latinx flavor.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

THST 3233 Merton and Day (4 semester hours)

A seminar on two outstanding twentieth century Catholics, both converts: Trappist monk Merton popularized an engaged contemplation, Dorothy Day co-founded the Catholic Worker Movement and is responsible for the development of modern Catholic social radicalism.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3234 The Last Things (4 semester hours)

This course engages a variety of perspectives on "The Last Things" or, Eschatology. Readings engage biblical, global, feminist, philosophical, and cultural issues in eschatology. In particular, we will examine why the 20th century has been called "the century of eschatology."

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3235 Atheism (4 semester hours)

Theology, as it relates to modern atheism, asks the following central questions: Is atheism a negative and nihilistic belief? Is it characterized by a rejection of values? Is it a thorough rejection of religion? Is atheism solely a modern phenomenon of a scientific mindset? What is its case against theism? Can a moral case be made for atheism? What kind of philosophical arguments does atheism employ? Is it only present in Christian contexts? What are some Christian responses to atheism?

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3236 God and the Human Experience (4 semester hours)

This course examines the modes of discourse, levels of reflection, and diverse experiences of individuals and communities in the search for God.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3237 Sex and the City of God (4 semester hours)

This course examines discourse on body and sexuality in different religious traditions with a special emphasis on Christianity. Employing a variety of theological methods, the course probes gender theories, theologies of the body, and perspectives on sexuality in pertinent primary and secondary sources.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3238 Theology and Science (4 semester hours)

This course engages the meaning, methods, and implications of sustained dialogue between theology and science. Exploring the development of the scientific method and its challenges for traditional theological discourse and religious symbols, the course compares and contrasts four views of science and religious: Conflict; Independence; Dialogue; Integration.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3239 Christian Holiness: Being Human, Becoming God (4 semester hours)

This class will study Christian notions of sanctity in the Catholic, Orthodox, and Protestant traditions. The concept of "the communion of saints" will be explored both in formal academic theological reflection but also by means of reference to the genres of hagiography and to the writings of canonized saints and other exemplary figures.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3240 Water, Word, and Wine (4 semester hours)

This course will explore how Christian sacraments reveal what Christians believe and how they understand and relate to God by closely examining select ritual practices. We will explore rituals such as Baptism and Eucharist, and attempt to articulate their meaning by defining symbols such as water, food, oil, and the role of the body in worship. We will consider how ritual participation reveals a Christian's relationship with God and the human community, and how worship shapes daily Christian life and identity.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning.

THST 3241 Meeting Christ in Faith and Art (4 semester hours)

This course is an introduction to humanity's quest to understand Jesus Christ's identity and purpose through the discipline of theological aesthetics, which engages the arts and theology together.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3242 Faith and the Management Profession (4 semester hours)

This course immerses students into a critical theological reflection on the business profession as a vocation serving the global and local communities. The tripartite structure consists of studying the theology of the priesthood of the people, examining Catholic magisterial teaching on faith and business, and reflecting on how the Christian vocation of management applies to daily work dynamics.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3244 The Cross and the Lynching Tree (4 semester hours)

Historically and contemporaneously, the cross, a foundational image of Christian faith, has also been associated with political terror. In this course, beginning with the landmark theological work of Black liberation theologian Dr. James Cone, we will explore the meaning of the cross during the Roman Empire and in the post Reconstruction American South. We will ask who are crucified, and the effect of Black and Brown people being framed as crucifiable. We will reflect on what the cross and the lynching tree mean to Christians and to followers of other traditions and examine what role we play as the narrative of crucifixion and empire is played and replayed.

This course examines questions of faith, God, religious practice, humanity, spirituality, and liberation in light of diverse African American experiences, ideas, and practices. By an analysis of diverse sources in both Black and Womanist theology, the class explores the complex dynamics between race and religion and highlights how Black voices contribute to the human search for God.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3245 Interreligious Dialogue and Engagement: Pluralism, Peacemaking and Practice (4 semester hours)

This course is a wide-ranging exploration of interreligious dialogue, both in theory and practice. Students will investigate, analyze, and compare various theories of interreligious dialogue and engagement, considering questions such as Why do we do this? What purpose does it serve faith and society? Students will familiarize themselves with and analyze specific case studies where interreligious engagement has been successful as well as those which have been less successful, standing as opportunities for growth and reflection.

Junior or Senior Standing.

University Core fulfilled: Integrations: Faith and Reason.

THST 3250 Psychology, Spirituality, Transformation (4 semester hours)

This course will explore two related questions: 1) What constitutes optimal human growth and development from the perspectives of both psychology and Christian spirituality? and 2) What constitutes a holistic Christian spirituality that integrates wholeness and holiness?

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3251 Practice of Everyday Life (4 semester hours)

A critical examination of ordinary practices of everyday life as a source for spiritual knowledge and social-political transformation.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

THST 3252 Orthodox Christian Spirituality (4 semester hours)

This course will introduce students to the rich spiritual tradition of Eastern Orthodox Christianity. Students will examine principles of spiritual development and various dimensions of spirituality from the time of the desert fathers and ancient monastic traditions to the present.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3260 Thinking Well, Doing Right (4 semester hours)

This course will examine how different theories of knowledge influence and determine what constitutes and motivates "right action." The course will seek to go beyond current competing ideas of justice (e.g., the primacy of equality vs. the primacy of freedom) to identify and analyze the epistemological presuppositions underlying those conceptions.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3261 Voluntary and Involuntary Poverty (4 semester hours)

This course will explore the phenomenon of "being poor" in different religious and non-religious contexts with the goal of understanding how poverty can both undermine and advance the human good. The course will examine what human good(s) poverty violates and what justifies those goods as "goods," especially in light of the claim - present in many religious traditions, and, especially, the Catholic monastic tradition - that poverty, properly understood, can constitute a good itself.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3262 Visioning the Troubles: Catholics and Protestants in Northern Ireland (4 semester hours)

This course is designed to introduce students to that moment in history known as the Troubles of Northern Ireland (ca. 1968-1998) through the lens of art, film, propaganda pamphlets, and scholarly production. Students will be challenged to consider the relationship between faith traditions versus cultural and national identity in Northern Ireland (and as by-product, the world in which they exist).

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3263 Technologizing Humanity, Humanizing Technology (4 semester hours)

Advancements in artificial intelligence (AI) and other emerging technologies have precipitated debates that have reached a paradoxical tipping point: such technologies are often viewed "by computer scientists, religious institutions, and ordinary citizens" either as the savior of humanity or the cause of human extinction. This course explores this paradox through deep engagement with three dimensions/ questions of ultimate concern: anthropology (what does it mean to be human?); mimesis (how do we imitate that which transcends us as a means for interpreting our world?); and justice (how do we promote fairness, access/equity, and individual and social flourishing?).

Juniors and seniors only.

University Core Fulfilled: INT Faith and Reason.

THST 3270 Local Faith Communities in U.S. Society (4 semester hours)

This course, critically examines the role of local faith communities in the United States through a combination of social scientific study and theological reflection. The course will emphasize Roman Catholic parishes but will also look at mainline Protestant, Evangelical, and Pentecostal communities with some comparison to Jewish and Muslim congregations as well.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3271 Ministry and Pastoral Leadership (4 semester hours)

This course - which includes an engaged learning flag - invites students into the examination and the practice of Christian (especially Roman Catholic) pastoral ministry and leadership, including exploration of the relationship between ministry and personal transformation, human suffering, the secularization of society, social justice, and intercultural and interreligious relationships. All students will be required to engage in 24 hours of service in a faith community of their choice throughout the semester.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

THST 3280 Pop Hinduism (4 semester hours)

This course brings together critical theory and Hindu theology in order to examine the representation of Hinduism in American popular culture and assess how American popular culture has portrayed Hinduism in creative and sometimes problematic ways. Students analyze the relationship between theology and culture, employ the academic disciplines of theology and popular culture studies, examine the diverse theological traditions of Hinduism, evaluate popular representations of Hinduism, and appreciate the extent to which Hinduism has become a part of American popular culture.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3281 Islam in America (4 semester hours)

This course provides an introduction to Islam and a detailed understanding of Islam in the American context. It examines the history of American Islam that goes back to the transatlantic slave trade and discusses how American Muslims have helped in the construction of what it means to be "American."

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3282 Buddhism (4 semester hours)

This course will investigate the historical origins and theological developments of Theravada, Mahayana, and Vajrayana Buddhism, and also explore Buddhism in America.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning.

THST 3283 Hinduism, Jainism, Yoga (4 semester hours)

This course will examine key ideas from the Vedas and Upanisads, the ethics of Jainism, and the spiritual practices of Yoga.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning.

THST 3284 Sikhism (4 semester hours)

This course will investigate the emergence of Sikhism, the fifth largest religion of the world, through a study of its ten gurus and its key theological tenets.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning.

THST 3285 Women and Religion (4 semester hours)

This course utilizes feminist theory and theology to analyze the religions of the world as they affect and are affected by women. Students connect major religious beliefs and practices to the oppression and liberation of women, employ feminist theory to analyze those beliefs and practices, and appreciate the roles that women play in shaping and re-shaping their religious traditions.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3286 Religion and (Non) Violence (4 semester hours)

This course draws on theology and peace and conflict studies in order to understand the relationship between religion and violence. Students examine theories of religious violence, analyze how religions have understood and enacted either violence or nonviolence, and assess the role of religion in peacebuilding.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3287 Sacred, Sinister, Strange (4 semester hours)

This course examines the ways in which religious traditions and speculative sources reflect on the mysteries of self, other, evil, and the divine through stories of terrifying creatures, otherworldly visitors, tricksters, and bloodthirsty deities. The class interrelated theology, philosophy, and critical theory in order to assess the significance of the monstrous and alien.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason.

THST 3288 Traditions of Yoga (4 semester hours)

This course presents an overview of the traditions of Yoga, examining the ways in which its philosophy and practice have changed over the centuries. We will begin by looking at early definitions of yoga as control of the senses in the Upanisads and as the stilling of the fluctuations of the mind in the Yoga Sutra, rather than as the more embodied practice we have become familiar with today. We will explore the reframing of yoga as a world-affirming discipline in the Bhagavad Gita, where it is explained as equanimity and skillfulness in action and the development of hatha yoga in the medieval period, which placed more emphasis on posture (asana), breath-control (Pranayama), and other physical methods. We will conclude by looking at modern yoga and its origins, addressing social and cultural issues. Students will be introduced to various bodily, breathing, and meditative practices throughout the semester, to have a direct, lived experience of the tradition and a more mindful engagement with themselves and the world.

Juniors and seniors only.

University Core Fulfilled: INT: Faith and Reason Flag: Engaged Learning.

THST 3289 Islam (4 semester hours)

This course will introduce students to the Islamic religious tradition. Beginning with the historical developments of Islam, including the Qur'an and the Prophet Muhammad, the course will examine Islamic religious practices and traditions up to the modern period.

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason

THST 3300 Queer Spirituality (4 semester hours)

This course explores the ways in which queer folks have wrestled with, resisted, subverted, and celebrated spiritual texts and traditions in pursuit of profound connectedness. This seminar style course will foster both a critique of the hegemonic interpretive history of spirituality as well as the creation of new inclusive interpretive strategies and spiritual practices. While grounded in the Christian tradition, the course adopts a comparative historical perspective in considering the multiplicity of queer spiritual practices that have existed and continue to thrive around the world. As the poet and mystic Evelyn Underhill reminds us, humans are vision-creating beings rather than merely tool-making animals. The course will consider how the cultivation of this capacity can open new ways of thinking and create new possibilities for engaging questions of ultimate concern. The focus of the course is on "lived religion"—the embodied, eclectic, and often improvisational character of spiritual experience, both collective and individual. This course will pay close attention to the intersectional nature of queer spirituality (race, gender, class). It will also challenge the secular-religious divide that commonly places queer lives/people on the side of secularism. Course materials include autobiographical narratives and performance, popular culture, and traditional theological sources (e.g. the Bible, writings of various mystics and saints).

Juniors and seniors only.

University Core fulfilled: Integrations: Faith and Reason (IFTR).

THST 3560 Punishment and Mercy (4 semester hours)

Engaging theological, philosophical, and legal thinkers, this course will explore the many theoretical and practical difficulties which arise in attempting to reconcile an effective and just system of social punishment with the virtue of mercy.

Juniors and seniors only.

University Core fulfilled: Integrations: Ethics and Justice.

THST 3561 Christian Marriage and Sexuality (4 semester hours)

This course explores theological perspectives on love, marriage, sexuality, and family. It constructively engages issues such as artificial birth control, divorce, cohabitation, same-sex marriage, and IVF and places diverse theological positions in conversation with other disciplines and contemporary contexts.

Juniors and seniors only.

University Core fulfilled: Integrations: Ethics and Justice.

THST 3562 God and the Political Order (4 semester hours)

This course examines the relationship between beliefs about the nature of God and the human good and the justifications for, and character of, different kinds of political orders.

Juniors and seniors only.

University Core fulfilled: Integrations: Ethics and Justice.

THST 3563 Love and Justice (4 semester hours)

This course explores central themes, thinkers, methodologies, and topics in Christian ethics principally around the themes of justice and love. The course engages in a critical analysis of love and justice with respect to theories about justice and basic goods and with respect to case studies such as bioethics, sexual ethics, ethics and politics, war and peace, and ethics, race, and culture.

Juniors and seniors only.

University Core fulfilled: Integrations: Ethics and Justice.

THST 3564 Ethics and Justice in Dante's Inferno (4 semester hours)

This is a semester-long, close reading of the Inferno, the first part of Dante's three-part Divine Comedy. We examine Dante's understanding of divine justice as manifested in hell's punishments and its structure. We focus especially on Dante's understanding of justice as moral virtue and culled from the inferno his theoretical framework of ethical analysis.

Juniors and seniors only.

University Core fulfilled: Integrations: Ethics and Justice.

THST 3565 (Bio)Degrading and (Non)Depletable: Theological, Ethical, and Legal Perspectives (4 semester hours)

This course critically and constructively explores theological foundations, ethical principles, legal dimensions, and practical implications of classical, modern, and current approaches to environmental topics such as climate change, animals/biodiversity, environmental racism, resource use and allocation, and individual and collective responsibility and activism.

Juniors and seniors only.

University Core fulfilled: INT: Ethics and Justice.

THST 3740 The Lord's Supper: Historical, Theological, and Ethical Perspectives on the Eucharist (4 semester hours)

This course will critically engage the historical, theological, and ethical dimensions of the Eucharist. The historical overview and ensuing theological exploration will focus on particular Eucharistic issues that have implications for virtue and justice, power and privilege, and cultural conditions.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3741 Religion and Film (4 semester hours)

This course is as much about the use of film to study religion as it is about the use of religion to study film. In other words, we will use different films to facilitate discussion about various dimensions of and issues in religion, and we will use images, metaphors, and teachings found in religion to discuss the layers and elements portrayed on screen.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3742 On the Eighth Day, God Laughed: The Bible and Comedy (4 semester hours)

What does the Bible have to do with comedy? Is it inappropriate to laugh at—or with—biblical texts? This course examines the role of humor in biblical stories, especially as it relates to the development of culture and communal identity. It also considers the Bible's role in comedy arts today, as well as within students' own comic creations.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3750 Into the Desert (4 semester hours)

An exploration of the desert as a root metaphor for deep spiritual experience and place of social, political struggle.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3751 Sacred Place (4 semester hours)

An examination of the significance of place and place-making in the development of personal, cultural, and spiritual identity.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation (4 semester hours)

An exploration of how contemplative practice can deepen and give meaning to ordinary human existence.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3780 World Religions and Ecology (4 semester hours)

This interdisciplinary service learning course will explore how religious ideas and practices can respond to the contemporary environmental crisis.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

THST 3781 Death and Dying in the World's Religions (4 semester hours)

This course is a cross-cultural look at death and dying in several different religious traditions (Hinduism, Buddhism, Judaism, Christianity, Islam, and Primal [Native] traditions). We will also examine common themes in these different traditions, and how they help us to understand the lives and deaths of women, children, and men.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3782 The Architecture of Politics and Religion: Theories of Civic and Sacred Space (4 semester hours)

This course examines architecture as an important factor in the formation of social and political order. It explores the rich interface between the built environment and its civic and religious orders from an interdisciplinary perspective, engaging with theories of politics, religion, and architecture.

Juniors and seniors only.

University Core fulfilled: Integrations: Interdisciplinary Connections.

THST 3998 Special Studies (1-4 semester hours)**THST 3999 Independent Studies (1-4 semester hours)****THST 4010 Gospel of Mark (4 semester hours)**

A comprehensive verse by verse exegesis of the Gospel of Mark. Students will situate the Gospel of Mark within the Early Christian genre of gospel and place it in conversation with the other Synoptic Gospels.

THST majors and minors only.

THST 4011 New Testament Theology (4 semester hours)

An examination of various historical, literary, theological, and ethical issues in the interpretation of the New Testament, especially the Gospels and the Pauline epistles.

THST majors and minors only.

THST 4020 Early Christian Theology (4 semester hours)

A study of the development of Christian theology from the Apostolic Fathers through the period of the Cappadocians to the era of Jerome and Augustine.

THST majors and minors only.

THST 4021 Medieval Religious Thought and Practice (4 semester hours)

An introduction to Christian thought and practice in the late Middle Ages through a detailed consideration of select topics: God; Saints; Mary; Demons, Body and Soul; Rituals (especially the eucharist); Death and the Afterlife.

THST majors and minors only.

THST 4022 Heresy and Mysticism (4 semester hours)

An examination of medieval heretics' and mystics' contribution to the richness of their traditions. This class emphasizes issues of gender, authority, class, and culture, tracing developments of heresy and mysticism from late antiquity through the Middle Ages.

THST majors and minors only.

THST 4023 Medieval Theology (4 semester hours)

Selected topics on medieval theology such as the development of a specifically Christian culture, the tensions between religion and empire and between popular and institutional forms of religious expression, and monastic and scholastic theological methods.

THST majors and minors only.

THST 4030 Theology and History of Vatican II (4 semester hours)

This course explores Roman Catholic theology by reading the major Conciliar documents and analyzing the social and historical context, with emphasis on ecumenism, historical understanding, and the recovery of the biblical tradition.

THST majors and minors only.

THST 4031 Christology (4 semester hours)

An investigation of the Christology of the New Testament, the early councils, and contemporary issues in Christology.

THST majors and minors only.

THST 4032 Rahner (4 semester hours)

A study of the life, context, and theology of Karl Rahner.

THST majors and minors only.

THST 4033 Theotokos (4 semester hours)

This course examines the theology of the Mother of God, from its biblical foundations, through the patristic and medieval periods, into the modern appropriations of Mariology by Protestant and feminist scholars.

THST majors and minors only.

THST 4034 Theology of Liberation (4 semester hours)

A study of recent Latin American theology as a Christian response to current political, social, and economic injustice in Latin American countries.

THST majors and minors only.

THST 4035 Dante's Divine Comedy (4 semester hours)

An exploration of Dante's vision of hell, purgatory, heaven and humanity in Dante's Divine Comedy through a close reading of the text in translation. We highlight the theological significance of Dante's work and its literary and political aspects.

THST majors and minors only.

THST 4040 Eucharistic Theology (4 semester hours)

An in-depth study of the theology of the Eucharist from an ecumenical perspective, highlighting the teaching of the Roman Catholic Church.

THST majors and minors only.

THST 4041 The Art and Theology of the Icon (4 semester hours)

The course traces the origins of Christian iconography, examining the theological controversies which shaped the icon tradition, leading students to read the subtle and rich theological messages encoded in these mysterious images.

THST majors and minors only.

THST 4050 Topics in Christian Spirituality (4 semester hours)

A survey of key persons and movements in the history of Western Christian spirituality.

THST majors and minors only.

THST 4051 Ignatian Spirituality (4 semester hours)

A study of the spirituality of Ignatius of Loyola based on a close reading of his Spiritual Exercises and contemporary writings on Ignatian themes.

THST majors and minors only.

THST 4060 Christian Ethics and Social Responsibility (4 semester hours)

This course critically examines biblical, theological, and ethical texts related to social responsibility in light of contemporary issues.

THST majors and minors only.

THST 4061 Christian Ethics and HIV/AIDS (4 semester hours)

This course analyzes how distinct approaches and sources in Christian ethics, including elements of scripture, tradition, sexual ethics, virtue ethics, and social ethics interact as they relate to confronting the AIDS crisis.

THST majors and minors only.

THST 4062 Topics in Theological Ethics (4 semester hours)

An exploration of the history and methods of theological ethics with analysis of contemporary moral issues.

THST majors and minors only.

THST 4070 Ministry to Youth and Young Adults (4 semester hours)

The course examines the theory and practice of ministry with and for youth and young adults, with emphasis on faith development, community building, justice and service education, advocacy, and guidance of youth and young adults.

THST majors and minors only.

THST 4080 Topics in Comparative Theology (4 semester hours)

Multiple religious perspectives will be utilized in this course to explore one or more topics of theological concern, such as violence and nonviolence, myth and symbol, modes of spirituality, images of God, and/or multicultural religious presence in Los Angeles.

THST 4081 Islam in the Modern World (4 semester hours)

An introduction to the contemporary Islamic religious tradition, including Muslim approaches to modernity, major reformers of Islam in the modern world, Muslim feminism, and the role of Islam in North America.

THST majors and minors only.

THST 4082 Hindu and Jaina Theology (4 semester hours)

In this course we study in depth primary sources of these two traditions, including the Rig Veda, the Upanisads, the Yoga Sutra, and the Tattvarthasutra.

THST majors and minors only.

THST 4090 Major Theological and Religious Thinker (4 semester hours)

An examination of the theological work of one major thinker, studying the work both as an integrated theological statement and as a part of continuing theological dialogue.

THST majors and minors only.

This course may be repeated for credit.

THST 4091 Major Theological and Religious Theme (4 semester hours)

The course stresses the integration of the various dimensions and methods of Theological Studies.

Senior standing required.

THST majors and minors only.

THST 4998 Special Studies (1-4 semester hours)**THST 4999 Independent Studies (1-4 semester hours)****THST 6000 Foundations of Old Testament Theology (3 semester hours)**

This course examines central issues in the interpretation of the Hebrew Bible, with attention to sociological, historical, literary, and theological dimensions of the Hebrew Bible, as well as the methodology of interpretation.

THST 6001 Scripture and the Maori in New Zealand (3 semester hours)

This excursion course experiences and studies interpretations of Scripture arising from the historical oppression and concrete contemporary realities of the indigenous Maori people in New Zealand.

THST 6010 Foundations of New Testament Theology (3 semester hours)

This course presents critical issues in current biblical interpretation of the New Testament. In particular, attention is given to the significance of historical, literary, social, and theological aspects of the New Testament writings, as well as to contemporary interpretive methodologies and the pastoral dimensions of interpretation.

THST 6011 Gospel of Matthew (3 semester hours)

This course examines the historical, literary, and theological contexts of the Gospel of Matthew, in conversation with modern theological issues and method.

THST 6012 Gospel of Mark (3 semester hours)

This course examines the historical, literary, and theological contexts of the Gospel of Mark, in conversation with modern theological issues and method.

THST 6013 Luke-Acts (3 semester hours)

This course examines the historical, literary, and theological contexts of Luke-Acts, in conversation with modern theological issues and method.

THST 6014 Gospel of John (3 semester hours)

This course examines the historical, literary, and theological contexts of the Gospel of John, in conversation with modern theological issues and method.

THST 6015 Topics in the Gospels (3 semester hours)

This course explores aspects of contemporary studies of the Gospels, focusing on one of the canonical Gospels and its relations to other canonical and non-canonical Gospels, with attention to the search for the historical Jesus, the investigation of the Evangelist's communities and traditions, and later theological appropriations of the Gospels.

This course may be repeated for credit.

THST 6016 Paul the Apostle (3 semester hours)

This course explores the life and letters of Paul in their historical, literary, social, and theological contexts, as well as issues in contemporary interpretation of Pauline theology.

THST 6020 Foundations of Historical Theology (3 semester hours)

A study of the specific role which historical investigation plays in constructive and critical theology; this study uses, as its major case study, the development of the Christian doctrine of God and Christ as articulated in the classical period and developed up to the scholastic period.

THST 6021 Early Christian Theology (3 semester hours)

The emergence of theology in pastoral and liturgical reflection on the biblical tradition in the first six centuries of the church's life: theology from the time of Ignatius of Antioch to Gregory the Great.

THST 6022 History of Christian Spirituality (3 semester hours)

This course will explore the rich and complex tradition of Christian spirituality, with a particular focus on the unfolding quest for wisdom within that tradition. Particular attention will be given to a) developing a critical approach to the study of Christian spirituality, b) understanding the relationship of spirituality and history, c) cultivating the art of reading classic spiritual texts, and d) retrieving classic themes of spirituality for contemporary use.

THST 6023 Medieval Theology (3 semester hours)

An introductory survey beginning with Bede's retrieval and transformation of the patristic legacy and ending with the dissolution of the scholastic tradition.

THST 6030 Introduction to Systematic Theology (3 semester hours)

This course investigates how theology attempts to translate the Christian message into new situations. Theological issues include revelation, faith, God and trinity, christology, the church, sin and grace, and sacramental and liturgical theology. Attention is given to their historical development as well as their contemporary significance, particularly in light of philosophical, cultural, and religious pluralism.

THST 6031 Christology (3 semester hours)

An historical and systematic investigation of the Christian understanding of Jesus Christ and his significance for salvation. Topics include the historical Jesus, the Christ of faith, New Testament christology, the early christological councils, the historical development of philosophical christology, and contemporary christologies.

THST 6032 Issues in the Contemporary Church (3 semester hours)

This course explores various ecclesiological and theological issues in the contemporary church, such as theologies of the church, authority and its exercise, ordained and unordained ministry, women in the church, ecumenism and the church of tomorrow.

THST 6033 Feminist Theology (3 semester hours)

A study of feminist theology from its historical antecedents to its roots in the changing experience of women. It considers the essential methodologies of feminism, important feminist theologians, and the contributions of feminism to contemporary theology as a whole.

THST 6034 U.S. Latino/a Theology (3 semester hours)

Latino theology develops in the tension between displacement and deep roots of communities in the territories that today constitute the U.S. This course surveys central theological questions as these are explored by these communities through a variety of primary texts, demographics, and engagement with current issues of concern to Hispanic Christians.

THST 6035 Care for the Common Home: Theology and Ecology (3 semester hours)

In the summer of 2015, Pope Francis addressed an encyclical document to the world titled *Laudato Si: On Care for our Common Home*. This extraordinary document, the fruit of lengthy consultations with climatologists, economists, scientists and theologians from the world's major religions begins by expressing praise, which is the result of human gratitude when encountering wonder. A substantial document, *Laudato Si* uses the language of beauty and wonderment almost 60 times, pointing to its best interpretive tool, a theological cosmology based on beauty and kinship. In this course we explore the encyclical through the methodology of theological aesthetics to enable us to bring close the scope and power of the theological cosmology inherent in the encyclical's proclamation.

THST 6040 Liturgical Theology: History and Interpretation (3 semester hours)

This course examines the foundational period of the early church as the setting for the establishment of liturgy and its synthesis with culture. The methodology involves an exploration of liturgy in particular cultural contexts, including the important Christian centers of Jerusalem, Antioch, North Africa, Rome, and Constantinople, and the contemporary theological implications of these developments.

THST 6041 The Rites (3 semester hours)

This course will survey several of the seven official sacraments of the Roman Catholic Church in both their historical development and their liturgical practice, focusing on five in any given semester.

THST 6042 Sacraments and Sacramentality (3 semester hours)

An in-depth study of the theology of Christian sacraments and the symbolization of divine grace.

THST 6043 Faith and Culture (3 semester hours)

An exploration of the nature of faith and culture and their interrelationship. An analysis of interculturalism and its relevance to ministry and pastoral care in church and society.

THST 6050 Issues in Christian Spirituality (3 semester hours)

This course examines some of the issues of contemporary Christian spirituality in the light of how certain exemplary Christians in earlier ages envisioned them. Questions such as the nature of spirituality, the integration of a contemplative attitude in life activity, Christian freedom, images of God, and the role of culture in the formation of spirituality are addressed.

THST 6051 The Theory and Practice of Spiritual Direction (3 semester hours)

This course seeks to further the student's understanding of spiritual direction as a form of pastoral care and as a helping relationship. Among the topics to be considered are: various forms of spiritual guidance within the Christian tradition, the distinctive nature of spiritual direction, the qualities and skills required to be an effective spiritual director, and the role of spiritual direction in facilitating spiritual growth and development.

THST 6052 Ignatian Spirituality and Discernment (3 semester hours)

This course seeks to further the student's understanding of the spirituality of Ignatius of Loyola by a close reading of his spiritual classic, *The Spiritual Exercises*, and by a study of contemporary writing on Ignatian spirituality. Praxis, the reflection upon experience, is a central aspect of this course and reflects the hypothesis that some of the dynamics of the *Spiritual Exercises* can be experienced by individuals in a group learning situation when they are approached in a critical and prayerful way.

THST 6053 Psychological Foundations of Spiritual Directions (3 semester hours)

This course focuses on the psychological dynamics of spiritual direction as a helping relationship, as well as the cultivation of communication skills needed to be an effective spiritual director. Principal topics to be covered include the following: how spiritual direction differs from psychotherapy; the importance of self-knowledge and personal awareness on the part of helpers; the nature of empathic understanding and its relationship to psychological and spiritual growth; basic counseling skills.

THST 6054 Practicum and Supervision in Spiritual Direction (3 semester hours)

The art of spiritual direction is best fostered through practice and reflection on that practice in a supervisory setting. This course will give students an opportunity to grow in spiritual direction skills, self-awareness, and interior freedom under the guidance of experienced spiritual directors.

THST 6060 Foundations of Theological Ethics (3 semester hours)

This course familiarizes students with the language of Christian moral discourse. By focusing on methodological issues and the sources informing Christians about their moral life, students identify the complex personal dynamics of being and becoming Christian.

THST 6061 Catholic Social Teachings (3 semester hours)

A study of the last one hundred years of Catholic social teachings, including papal encyclicals from Leo XIII to John Paul II, conciliar documents from Vatican II, and statements and letters issued by episcopal conferences and episcopal synods.

THST 6062 Issues in Moral Theology Today (3 semester hours)

This course examines the writings of rival moral theologians today and their competing perspectives. Particular practical problems to be discussed vary and may include business ethics, sexual ethics, war and peace, and social ethics.

THST 6063 Issues in Bioethics (3 semester hours)

This course will introduce the student to the basic theological concepts, frameworks, and analyses that have been used by both Catholic and Protestant theologians in their discussions of bioethics. Topics such as assisted reproductive technologies, abortion, genetic control, care of severely handicapped neonates, death and dying, and the meaning and application of "quality of life" to contemporary issues will be discussed in both lecture and seminar formats.

THST 6064 Introduction to Bioethics (3 semester hours)

Bioethics represents a complex intellectual phenomenon in the canon of newly emerging disciplines. Although an established academic field, it still struggles to find a formal and coherent methodology for the analysis of ethical problems triggered by advances in medicine and the life sciences. The course introduces students to the historical, theoretical, and thematic dimensions of bioethics. More specifically, the course looks at historical contribution of theologians and philosophers to bioethics; it addresses the theoretical challenges of bioethics as an interdisciplinary field, with an emphasis on dominant theories in bioethics; and, finally, it touches upon the main topics of bioethics, including medical experimentation, assisted reproductive technologies, genetics, transplantation, assisted suicide, and euthanasia.

THST 6065 Foundations of Philosophical Ethics (3 semester hours)

This course introduces students to the theories and problems of moral philosophy, comprising both a historical and a systematic component. Main versions of ethics will be studied, including natural law and virtue ethics, deontological and consequentialist theories. Students will understand the function and importance of ethical frameworks for the articulation of bioethical problems.

THST 6066 Bioethics at the Beginning of Life (3 semester hours)

The course looks at bioethical questions that concern the beginnings of life. Topics include the ethics of abortion, maternal fetal conflicts, ethical problems in perinatology and neonatology, as well as the ethical judgment on the entire field of assisted reproductive medicine—from in vitro fertilization, to surrogate motherhood, gamete storage techniques, and pre-implantation genetic diagnosis. There is also a clinical component to this class that offers students with an opportunity for engaged learning. Students will be exposed to decision-making in the clinical setting of obstetrics and neonatology departments at various hospitals.

THST 6067 Bioethics at the End of Life (3 semester hours)

The increasing medicalization of the dying process poses new ethical problems to health care professionals and patients alike. This course looks at the bioethical problems that concern the end of life. Topics include ethical criteria for withholding and withdrawing treatments, palliative care, proxy decision making for incompetent patients, as well as the controversial questions, newly emerging in both the clinical realm and the law, of assisted suicide and euthanasia. This class will entail a clinical component as well. Students will be exposed to decision-making in the clinical setting of the Intensive Care Unit at various hospitals or in nursing homes.

THST 6070 Foundations of Pastoral Theology (3 semester hours)

A review of the biblical, historical and theological sources for constructing a theology of pastoral ministry which is appropriate to various contemporary pastoral settings and functions. The relationship between pastoral theology and other branches of theology is considered.

THST 6071 Pastoral Approaches to Religious Education (3 semester hours)

An exploration of, and reflection on, the history and theory of Christian religious education, treating the relationship between religious education and allied fields of pastoral care, liturgy, justice and service activities which serve to foster the development of faith.

THST 6072 Skills for Pastoral Ministry (3 semester hours)

This course, involving both theoretical and experiential learning, focuses on personal and interpersonal dynamics and skills that foster effective pastoral ministry. Topics include the spiritual formation of ministers, collaborative ministry, facilitating prayer, and a generic helping process for spiritual direction, pastoral counseling, and formation in various pastoral settings.

THST 6073 Theory and Practice of Pastoral Leadership (3 semester hours)

This course offers the student an exploration of theories that can inform pastoral leaders about the exercise of effective leadership in pastoral settings and communities of faith. The course is an elective open to all students, but is required for the Concentration in Pastoral Leadership in the M.A. in Pastoral Theology.

THST 6074 Spiritual Formation for Pastoral Ministry (3 semester hours)

This seminar seeks to foster a stronger link between academic learning and the personal and professional concerns of students especially as related to pastoral ministry.

THST 6075 Pastoral Liturgy (3 semester hours)

This course examines the role of liturgy in the lives of Christians and their communities, exploring the tensions between liturgical norms and liturgy as practiced and experienced.

THST 6076 The Theology of the Parish (3 semester hours)

This course focuses on the history, theology, and practice of Roman Catholic parishes in the United States. As an exercise in practical theology, students reflect on the lived practices in parishes and the theology of the church that emerges therefrom.

THST 6077 Special Topics in Pastoral Theology (3 semester hours)**THST 6078 Supervised Pastoral Field Education (3 semester hours)**

This course offers foundational concepts and skills required for effectiveness in ministry that is contextual, collaborative, intercultural, and faithful to Christian tradition. In a dialogical classroom context that models collaborative ministry, THST 6078 seeks to engage students in theological reflection and ministry skill development. It helps students reflect on required supervised field education experiences either at their full-time ministry or in some other approved ministry environment. It aims to enable students to weave together theological, ministerial, and educational insights and understandings.

THST 6079 Migration and the Border: Context, Theology, and Pastoral Approaches (3 semester hours)

Students in theology and pastoral theology study and construct a theological response to immigration and the struggles of contemporary immigrants. Students will begin by studying the context of immigration today and then examine Christian ethics and theologies of migration. The course will culminate with a visit to the U.S.-Mexico border and discuss public theology and pastoral responses.

THST 6080 Comparative Theology (3 semester hours)

This course provides a review of the historical roots of the current situation of religious pluralism. It examines and evaluates relevant methodological proposals for comparative theology and clarifies the relationship of comparative theology to interreligious dialogue, the history of religions and the Christian theology of religions. It also offers an opportunity to engage in the practice of comparative theology through the interpretation of texts.

THST 6081 Comparative Religious Ethics (3 semester hours)

This course begins with a comparative survey of ethics as found in the world's religious traditions. Specific issues such as war and peace, euthanasia, and environmentalism are then examined.

THST 6082 Comparative Mysticism (3 semester hours)

In this course, Christian mysticism as found in the writings of Teresa of Avila and Meister Eckhart is compared and contrasted with the interior traditions of India and East Asia, including Samkhya, Yoga, Taoism, and Yogacara Buddhism.

THST 6083 Hinduism, Vedanta, and Yoga (3 semester hours)

This course investigates primary sources, including the Rig Veda, the Upanisads, the Bhagavad Gita, and the Yoga Sutra.

THST 6084 Buddhism (3 semester hours)

This course studies primary texts and history of Buddhism, with emphasis on theological praxis.

THST 6085 Classics of Chinese Philosophy (3 semester hours)

(See PHIL 6565.)

THST 6086 Readings in Religious Literature (3 semester hours)

This course entails the reading of primary texts in the original language.

May be repeated twice for degree credit.

THST 6087 Jainism (3 semester hours)

This course studies primary texts and history of Jainism, with emphasis on theological praxis.

THST 6088 Judaism (3 semester hours)

This course explores Judaism from ancient through modern times. It examines central ideas, practices, thinkers, texts, places, and events in Jewish history, with special attention to the relationships between Judaism and other religions.

THST 6090 Graduate Pro-Seminar (3 semester hours)

The pro-seminar provides an orientation to various theological methods, tools, and modes of discourse in theological and pastoral studies (biblical, historical, systematic, moral, comparative, and pastoral theology).

THST 6091 Pastoral Synthesis Seminar (3 semester hours)

Through this seminar, students complete their capstone project for the M.A. in Pastoral Theology. The pastoral synthesis project is a 30-40 page paper where the student reflects systematically and comprehensively upon a pastoral challenge or dilemma, analyzing the historical, social, and cultural context that provokes said dilemma, and demonstrating their comprehensive knowledge of the theoretical foundations that undergird a Christian response.

THST 6092 Comprehensive Exam Seminar (3 semester hours)**THST 6093 Research and Writing Seminar (3 semester hours)**

This seminar prepares and assists students in the writing of a M.A. thesis as a capstone project for the M.A. (Theology).

THST 6332 Liberation Theologies (3 semester hours)

This course will provide students the opportunity to explore multiple liberation theologies. It will pay special attention to how thinkers within specific contexts center experience through theological discourse, to imagine a different world. Students in this class will be asked to immerse themselves within the multiple worlds/environments (i.e., historical embeddedness and socioeconomics), forms of embodiment (race, gender, sexuality, and ability), schools of thought (marxist, ecological, theistic, non-theistic, etc.), and geopolitical landscapes associated with the varying degrees of constructive liberative discourse. The recurring questions of this course will be: What does it mean to be free? What does it mean to be liberated?

THST 6998 Special Studies (1-3 semester hours)**THST 6999 Independent Studies (1-3 semester hours)****URBN 1000 The Urban World (4 semester hours)**

An introduction to historic and contemporary cities, processes of urbanization, and urban society. Course topics include urban origins, urban economics, the internal structure of cities, urban infrastructure, urban social and cultural processes, urban physical and social environments, and city systems in the regional and global context.

University Core fulfilled: Explorations: Understanding Human Behavior.

URBN 1010 Introduction to Geographical Information Systems (4 semester hours)

An introduction to geospatial and environmental research methods with an emphasis on the use of GIS as an essential methodology for the investigation and visualization of spatial data and multivariate environmental and urban issues.

University Core fulfilled: Explorations: Nature of Sci, Tech, Math.

URBN 1998 Special Studies (1-4 semester hours)

URBN 1999 Independent Studies (1-4 semester hours)**URBN 2998 Special Studies (1-4 semester hours)****URBN 2999 Independent Studies (1-4 semester hours)****URBN 3010 Metropolitan Los Angeles (4 semester hours)**

An introduction of the social, economic, political, environmental, and spatial characteristics and dynamics of metropolitan Los Angeles in the context of postmodern urbanization in the United States.

URBN 3045 Urban Planning (4 semester hours)

An introduction to the problems, principles, and practices of contemporary urban planning, especially in California and the United States.

URBN 3046 Sustainable Cities (4 semester hours)

An examination of the challenges of and potential solutions to the sustainability of socioeconomic, environmental, and ecological systems associated with historic, contemporary, and future urbanization. Course topics include an analysis of the sustainability of historic and contemporary cities, the consideration of sustainable alternatives associated with such trends as New Urbanism, and the potential for alternative urban policies and practices designed to foster sustainability.

URBN 3047 Community Development (4 semester hours)

An exploration of the meanings and methodologies of community development, especially in contemporary urban America.

URBN 3100 GIS Research (4 semester hours)

Directed research in selected urban issues using GIS as a research tool and presentation method.

Pre-requisite: URBN 1010 or equivalent.

URBN 3200 A Better World: Purpose and Place (4 semester hours)

Understanding theory, research, and practice related to "purpose," in this case the promotion of social justice and sustainability, and to "place," in the context of a community-based organization. Students will work for a minimum of 20 hours in a selected community organization.

University Core fulfilled: Integrations: Ethics and Justice.

URBN 3998 Special Studies (1-4 semester hours)**URBN 3999 Independent Studies (1-4 semester hours)****URBN 4000 Senior Project (4 semester hours)**

A supervised internship and directed research on a specific urban topic incorporating appropriate primary and secondary research methodologies and/or participant observation.

Senior standing or permission of the Program Director required.

University Core fulfilled: Flags: Engaged Learning.

URBN 4998 Special Studies (1-4 semester hours)**URBN 4999 Independent Studies (1-4 semester hours)****WGST 1000 Gender and Social Movements (4 semester hours)**

An interdisciplinary study of women in society through overview of the major issues, innovations, and debates that have characterized the field of Women's and Gender Studies. Course introduces history of feminist activism and discourse in the U.S.

University Core fulfilled: Foundations: Studies in American Diversity.

WGST 1100 Gender, Race, and Sexuality in Contemporary Society (4 semester hours)

An introduction to critical thinking skills about concepts such as gender, race, class, and sexuality, how these intersect in lives of women of color together with women's strategies of surviving, resisting, and overcoming barriers.

University Core fulfilled: Foundations: Studies in American Diversity.

WGST 1998 Special Studies (1-4 semester hours)**WGST 1999 Independent Studies (1-4 semester hours)****WGST 2000 Transnational Feminisms (4 semester hours)**

This course explores gender and sexuality within transnational frameworks, focusing on feminist analyses of issues like globalization, colonialism, war, militarism, and labor from Global South perspectives.

University Core fulfilled: Foundations: Studies in American Diversity.

WGST 2200 Women's Bodies, Health, and Sexuality (4 semester hours)

This course explores the history and politics of women's health, bodies, and sexualities. Using an intersectional framework, students understand how bodies become a site for the social construction of race and sexuality. Course topics include: phenomenology, reproductive health, health and sexuality, health care access, the politics of disease, disability justice, and transgender health.

University Core fulfilled: Explorations: Understanding Human Behavior.

WGST 2300 Mathematics: Contributions by Women (4 semester hours)
(See MATH 261.)**WGST 2500 Introduction to LGBT Studies (4 semester hours)**

An introduction to the interdisciplinary field of LGBTQ studies. Students gain critical thinking skills to examine norms about gender and sexuality and the relationship between these norms and systems like empire, heteropatriarchy, and settler colonialism. Students are introduced to histories of LGBTQ liberation movements.

WGST 2700 Introduction to Disability Studies (4 semester hours)

Introduction to Disability Studies provides an overview of the interdisciplinary field of critical disability studies and "crip" theory. Disability studies focuses on the ideology of ableism, or the political, cultural, economic, and social privilege of non-impaired bodies and minds. Course texts and conversations take an intersectional approach to the question of normalcy, examining the ways in which "defect" and "impairment" have been mapped onto other marginalized social categories.

University Core Fulfilled: Studies in American Diversity

WGST 2998 Special Studies (1-4 semester hours)**WGST 2999 Independent Studies (1-4 semester hours)**

WGST 3100 Feminist & Queer Research Methods (4 semester hours)

Required course for all WGST Majors and open to all minors. In preparing for their capstone project, students will examine feminist methodologies through hands-on research and considers the complex relationships between researchers and their subjects, the impact of social location on our field of vision, ethical issues in the research process, as well as research that facilitates social and gender justice.

Juniors and seniors only.

University Core fulfilled: Flags: Engaged Learning.

Offered Fall semester.

WGST 3200 Gender, Race, and Environmental Justice (4 semester hours)

This course explores the relationships between peoples and environments, focusing on the roles and resources, identity, power relations, and geography. The course explores the theoretical and material implications of the different ways in which environmental injustice leads to the degradation of gendered environments and bodies. The course will provide multiple interdisciplinary perspectives on the state of gender, sexuality, race, ethnicity, and the environment.

University Core fulfilled: Integrations: Interdisciplinary Connections.

WGST 3300 Gender, Race, and the Graphic Novel (4 semester hours)

This course explores how the space of the graphic novel can serve as a cultural space for critical engagement with ideologies of race, gender, nation, class, and sexuality. Critically examining visual language that is presented in the graphic novel, students will examine the ways it challenges iconographic images of ethnic and gendered representation.

University Core fulfilled: Explorations: Creative Experience.

WGST 3301 Literature by Women of Color (4 semester hours)

The course explores contemporary literature by women of color in the United States and their immigrant experiences. It attends to the ways that authors imaginatively use genres to represent and challenge gender and race construction.

WGST 3302 The Image of Woman in Nineteenth-Century England (4 semester hours)

(See ENGL 3342.)

WGST 3303 Twentieth-Century Women's Writing (4 semester hours)

(See ENGL 3343.)

WGST 3304 Italian Women Writers (4 semester hours)

(See ITAL 3580.)

WGST 3305 Angels and Demons: Women and Literary Stereotypes (4 semester hours)

(See MDGK 3343.)

WGST 3306 Out of Control: Women, Madness, and the Cultural Imagination (4 semester hours)

A cross-cultural interdisciplinary exploration of social, cultural, and literary representations of female madness from antiquity to the present.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

Same as MDGK 3346.

WGST 3307 Gender Communication (4 semester hours)

(See CMST 3110.)

WGST 3308 Chicanas and Latinas in the U.S. (4 semester hours)

(See CLST 3302.)

WGST 3400 Muslim Movements in the U.S. Muslim Movements in the U.S. (4 semester hours)

From Muslim-led rebellions of the enslaved, civil rights organizing, Afro-Asian solidarities, and anticolonial movements to feminist, queer, and abolitionist interpretations of Islam, this course focuses on Muslim histories and social movements in the United States. We take a two-part approach to "Muslim movements." First, we historicize the migratory movements of Muslims in the Americas—from enslaved African Muslims to Asian and Arab Muslim immigrants and refugees—in relation to state histories of racism, labor, imperialism, and policing. Second, we take intersectional and transnational approaches to Muslim American social movements. In addition to social struggles and liberation theologies within US-based Islam, we explore how Muslims and Islamic ethics have influenced broader justice movements ranging prison abolition, transnational feminism, anti-imperialism, and Palestine solidarity. We learn from Ethnic Studies, Islamic Studies, and Feminist of Color scholarship on Islam in the US as well as the work of Muslim writers, artists, and activists.

WGST 3401 Black Identities, Families, and Cultures (4 semester hours)

(See AFAM 4342.)

WGST 3403 Hip Hop Culture (4 semester hours)

(See AFAM 4422.)

WGST 3500 Sex/Gender Beyond the Binary (4 semester hours)

This course explores questions of sex and gender from both a biological and cultural studies perspective. Course materials will attune students to the use of scientific empiricism to produce, justify, and sustain social categories. Simultaneously, however, students will come to understand the methods and findings of biology's understanding of dimorphic sex.

WGST 3501 Gender and Society (4 semester hours)

(See SOCL 3210.)

WGST 3502 Sociology of Marriage and Families (4 semester hours)

(See SOCL 3160.)

WGST 3503 Men and Masculinities (4 semester hours)

(See SOCL 3211.)

WGST 3601 Women in Christian History (4 semester hours)

(See THST 3022.)

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

WGST 3602 Gender in European History (4 semester hours)

(See HIST 4225.)

WGST 3603 Women in American History (4 semester hours)

(See HIST 4430.)

WGST 3605 History of Childhood and the Family (4 semester hours)

(See HIST 4431.)

WGST 3700 Images of Women in Philosophy (4 semester hours)

(See PHIL 4175.)

WGST 3701 Guadalupe, Queen of the Americas (4 semester hours)

(See CHST 3310.)

University Core fulfilled: Integrations: Faith and Reason

WGST 3702 Women and Religion (4 semester hours)
(See THST 3285.)

University Core fulfilled: Integrations: Faith and Reason

WGST 3704 Sex and the City of God (4 semester hours)
(See THST 3237.)

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

WGST 3800 Gender and Urban Geographies (4 semester hours)

This course uses the discipline of critical urban geography and feminist theory to explore the following questions: 1) What is a city? 2) Why do humans live in cities? 3) How does living in a city shape who humans are? We explore the phenomena of racial and gender segregation in cities, investigate the spatialization of race, the construction of vice and crime in the city, and discuss the gender of the division between the public and the private in urban geographies.

University Core fulfilled: Integrations: Interdisciplinary Connections.

WGST 3900 Gender, Race, and Disability (4 semester hours)

Gender, Race, and Disability is a critical feminist study of disability justice, hetero-ableism, and normality. This course examines: the ways in which disability and gender are socially constructed and co-constructed via rhetorics of dependence and autonomy; the centrality of "interdependence" to both feminist and disability justice movements; the entanglement of disability and gender in over-diagnosis, underdiagnosis, and over- and under-representation of disability in cultural texts; disability and sex, including consent, competence, and access; and legal and cultural issues of disability justice in the current political moment.

University Core fulfilled: Integrations: Interdisciplinary Connections.

WGST 3998 Special Studies (1-4 semester hours)

WGST 3999 Independent Studies (1-4 semester hours)

WGST 4000 Feminist Theories (4 semester hours)

Focuses on the historical roots of feminist political thought in relation to other social movements. Examines the intellectual traditions within feminist theory today such as postmodernism, psychoanalysis, postcolonial theory, and the intersectional analyses produced by women of color.

Juniors and seniors only.

WGST 4001 Queer Theories (4 semester hours)

This course explores the emergence, conceptual frameworks, themes, and critical tools of queer theory with a specific attention to the genealogies of queer theory known as Queer of Color critique. At its root, queer theory attempts to interrogate the structuring logics, or norms, that produce queer subjects. Queer of Color critique situates such analysis in an attention to the logics of racial formation, capitalism, labor, migration, imperialism, and the police state.

Juniors and seniors only.

WGST 4100 Sex, Trade, Trafficking (4 semester hours)

The course will address issues of racism, sexism, classism, and violence against women who are trafficked and those who also work as sex workers. We will discuss the relationship between ethics and human trafficking as well as who benefits from such approaches.

University Core fulfilled: Integrations: Interdisciplinary Connections.

WGST 4101 Queer Migration and Diaspora (4 semester hours)

Examines the lived experiences of LGBTQ migrants in the U.S. and the diaspora through a feminist, queer, and transnational lens. The course analyzes systems such as heteronormativity, immigration control, colonization and colonial borders, and the carceral system as well as liberation practices that are queer.

WGST 4200 Sex, Race, and Violence (4 semester hours)
(See AFAM 4642.)

WGST 4300 Women in Film (3 semester hours)
(See FTVS 3300.)

WGST 4400 Women and Politics (4 semester hours)
(See POLS 4330.)

WGST 4404 Latina Feminist Theory (4 semester hours)
(See CLST 4404.)

WGST 4500 Feminisms in Action (4 semester hours)

In this course, students will be matched with local partners to explore feminist social justice work in a community setting. Students will plan and conduct an independent community-based learning project. Simultaneously, students will explore career options in the non-profit/public service sector. As such, students will gain valuable experience and mentorship as they explore future career options.

University Core Fulfilled: Flags: Engaged Learning.

WGST 4900 Senior Seminar in Women's and Gender Studies (4 semester hours)

Designed as a last course for students obtaining the Women's and Gender Studies major or minor. Stress is on the organization and integration of knowledge gained regarding women in society.

Prerequisites: WGST 3100 Feminist Research Methods.

Juniors and seniors only.

Majors or minors only.

Offered Spring semester.

WGST 4998 Special Studies (1-4 semester hours)

WGST 4999 Independent Studies (1-4 semester hours)

YGST 6005 Sanskrit I (3 semester hours)

An introduction to the Devanagari script and basic vocabulary and grammar of Sanskrit, the classical language of Yoga thought and practice.

YGST 6010 Health Science and Yoga I (3 semester hours)

An overview of anatomy and physiology from the Western perspective and Ayurvedic theories of the subtle body, health, and wholeness.

YGST 6015 Foundations of Yoga Studies (3 semester hours)

This course will investigate basic methodological approaches to the academic study of Yoga, with an emphasis on the place of Yoga within theological discourse. It will include a bibliographic survey of primary and secondary sources and engagement with key select resources. Sikh and Christian approaches to Yoga will be included.

YGST 6020 Yoga Philosophy: Text and Practice (3 semester hours)

A close study and discussion of the Yoga Sūtras of Patanjali, the Bhagavad Gītā, select Upanishads, the Sāmkhya Kārikā, the Yogavāsistha, and other classical literature.

YGST 6027 Sanskrit II (3 semester hours)

A continuation of Sanskrit grammar, with special attention given to verses from the Bhagavad Gītā which set forth the primary practices of philosophical and meditational Yoga, including the ways of Knowledge, Action, and Devotion.

YGST 6028 Sanskrit III (3 semester hours)

In this course students will complete their study of Sanskrit grammar with special attention given to Patanjali's Yoga Sūtra.

YGST 6030 Hatha Yoga Texts (3 semester hours)

This course will trace the history of Hatha Yoga through examination of classical texts such as the Hatha Yoga Pradipika, the Gheranda Samhita, and the Siva Samhita, with particular attention to practice applications. Requires demonstration of student teaching skills and commitment to a personal yoga practice.

YGST 6040 Buddhism and Yoga (3 semester hours)

Yoga's relationship with Buddhism will be explored with an emphasis on Vipassana, Tibetan Buddhism, and Zen.

YGST 6041 Jain Yoga (3 semester hours)

This course will immerse students in the study of Jainism, known for its emphasis on nonviolence, through philosophy, ethics, cosmology, and art. The course will include Jain traditions of Yoga including Preksha Meditation.

YGST 6055 Modern Yoga, Mindfulness, Social Change (3 semester hours)

Yoga entered European and North American consciousness following Swami Vivekananda's lecture at the Parliament of the World's Religions in 1893. In the 20th century, Paramahansa Yogananda, Mahatma Gandhi, Swami Sivananda, Swami Krishnamacharya, and many others introduced large groups of people to the principles and practices of Yoga. Buddhist and mindfulness meditations became popular in the mid-20th century through the work of Jack Kornfield, Sharon Salzberg, and others. The course explores social change inspired by the Dharmic Traditions.

YGST 6060 Health Science and Yoga II (3 semester hours)

This course will expand upon YGST 6010 Health Science and Yoga I including integration of concepts of both modern science and the subtle body. The potential therapeutic benefits of yoga practices including asana, pranayama, meditation, mantra, mudra, as well as vihara (lifestyle modification) and applied yoga philosophy will be discussed. Students will obtain skills in critically evaluating scientific Yoga research and will create an evidence-informed yoga program for a specific client population.

YGST 6070 Yoga Therapy Applications (3 semester hours)

This course provides students with skills for working with individual yoga therapy clients. Basic principles of the therapeutic relationship will be covered including communication skills and personal well-being. Client intake, breath assessment, motivational interviewing, and yogic counseling will be covered, and students will obtain supervised practice in these skills.

YGST 6080 Yoga Therapy Practicum (3 semester hours)

In addition to classroom education, students will participate in mentored Yoga therapy practicum. Students will obtain experience and skills in working one on one with clients and/or in small therapeutic groups. Students will meet regularly with the instructor to discuss client assessment, therapy plans, and personal and professional development as a Yoga therapist.

YGST 6082 Comparative Mysticism (3 semester hours)

This course will explore the inner or mystical life as articulated in the life and practice of various religious traditions. It will begin with a study of a modern classic: The Varieties of Religious Experience by William James, the pre-eminent American philosopher and psychologist as well as the key ideas of Carl Jung. The course will include the study of Jewish and Islamic mystical traditions, as well as key writers in the emerging field of contemplative Christian ecology. Yoga and mysticism will be examined through the writings of 20th century philosopher Sri Aurobindo.

YGST 6096 Writing and Research Seminar (3 semester hours)

This course will guide the students as they write their final thesis. The course will aid them through the process by introducing research methods and writing techniques in order to complete a clear final thesis or research project. Students will be able to help one another as different phases of their given projects will be shared in class.

YGST 6998 Special Studies (1-3 semester hours)**YGST 6999 Independent Studies (0-3 semester hours)**