

# UCI Sustainability Course Inventory 2020-2021

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## Summary of Courses

School	Undergraduate		Graduate	
	Sustainability-Focused	Sustainability-Inclusive	Sustainability-Focused	Sustainability-Inclusive
Arts	0	23	0	0
Biological Sciences	7	59	4	19
Business	1	16	0	17
Education	0	37	0	24
Engineering	11	68	10	53
Humanities	1	170	0	11
Information and Computer Sciences	1	14	0	11
Law	0	0	7	51
Medicine	0	0	6	18
Nursing	0	10	0	29
Pharmaceutical Sciences	0	10	0	3
Physical Sciences	37	42	7	17
Public Health	14	14	6	20
Social Ecology	13	80	7	45
Social Sciences	15	249	2	57
Other/Interdisciplinary	0	10	0	7
<b>Total</b>	<b>100</b>	<b>802</b>	<b>49</b>	<b>382</b>

<b>Total Sustainability-Focused</b>	<b>149</b>
<b>Total Sustainability-Inclusive</b>	<b>1184</b>
<b>Total Undergraduate Sustainability-Related Courses</b>	<b>902</b>
<b>Total Graduate Sustainability-Related Courses</b>	<b>431</b>
<b>Total Sustainability-Related Courses</b>	<b>1333</b>
<b>Total Undergraduate Course Offerings from 2020-2021</b>	<b>1628</b>
<b>Total Graduate Course Offerings from 2020-2021</b>	<b>1104</b>

## Summary of Departments

School	Department	Eligible Courses Offered AY 2020-2021	Sustainability-Related Course Offered
Arts	Art	Yes	Yes
	Dance	Yes	Yes
	Drama	Yes	Yes
	Music	Yes	Yes
Biological Sciences	Developmental and Cell Biology	Yes	Yes
	Ecology and Evolutionary Biology	Yes	Yes
	Molecular Biology and Biochemistry	Yes	Yes
	Neurobiology and Behavior	Yes	Yes
Business	Business	Yes	Yes
Education	Education	Yes	Yes
Engineering	Biomedical Engineering	Yes	Yes
	Chemical and Biomolecular Engineering	Yes	Yes
	Civil and Environmental Engineering	Yes	Yes
	Electrical Engineering and Computer Science	Yes	Yes
	Materials Science and Engineering	Yes	Yes
	Mechanical and Aerospace Engineering	Yes	Yes
Humanities	African American Studies	Yes	Yes
	Art History	Yes	Yes
	Asian American Studies	Yes	Yes
	Classics	Yes	Yes
	Comparative Literature	Yes	Yes
	East Asian Studies	Yes	Yes
	English	Yes	Yes
	European Languages and Studies	Yes	Yes
	Film and Media Studies	Yes	Yes
	Gender and Sexuality Studies	Yes	Yes
	History	Yes	Yes
	Philosophy	Yes	Yes
Spanish and Portuguese	Yes	Yes	
Information and Computer Sciences	Computer Science	Yes	Yes
	Informatics	Yes	Yes
	Statistics	Yes	Yes
Law	Law	Yes	Yes
Medicine	Anatomy and Neurobiology	Yes	No
	Biological Chemistry	Yes	Yes
	Microbiology and Molecular Genetics	Yes	Yes
	Physiology and Biophysics	Yes	Yes
Nursing	Nursing	Yes	Yes
Pharmaceutical Sciences	Pharmaceutical Sciences	Yes	Yes
	Clinical Pharmacy Practice	No	No
Physical Sciences	Chemistry	Yes	Yes
	Earth System Science	Yes	Yes
	Mathematics	Yes	Yes
	Physics and Astronomy	Yes	Yes
Public Health	Environmental and Occupational Health	Yes	Yes
	Epidemiology and Biostatistics	Yes	Yes
	Health, Society, and Behavior	Yes	Yes
	Population Health and Disease Prevention	Yes	Yes

School	Department	Eligible Courses Offered AY 2020-2021	Sustainability-Related Course Offered
Social Ecology	Criminology, Law and Society	Yes	Yes
	Psychological Science	Yes	Yes
	Urban Planning and Public Policy	Yes	Yes
Social Sciences	Anthropology	Yes	Yes
	Chicano/Latino Studies	Yes	Yes
	Cognitive Sciences	Yes	No
	Economics	Yes	Yes
	Global and International Studies	Yes	Yes
	Language Science	Yes	Yes
	Logic and Philosophy of Science	Yes	Yes
	Political Science	Yes	Yes
	Sociology	Yes	Yes
<b>Total Departments Offering Courses</b>			<b>59</b>
<b>Total Departments Offering Sustainability-Related Courses</b>			<b>57</b>

## Summary of Undergraduate Level Courses

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Arts	Art	Undergraduate	ART 121A	Afro-Futurism I	First of a two-part course on the futuristic artistic vision of Black film, video, and cyberspace. Deals with critical analyses of the Black image in Western Art history, and its association to contemporary Hip Hop culture, art, and music.		x	culture, minorities, international, cultural heritage
Arts	Art	Undergraduate	ART 121B	Afro-Futurism II	Second of a two-part course on the futuristic artistic visions of Black film, video, and cyberspace. Deals with modern techno-culture, digital activism, and designing technology based on African aesthetic principles of contemporary Hip Hop International Culture.		x	culture, minorities, international, cultural heritage
Arts	Art	Undergraduate	ART 1A	Art in Context: History, Theory, and Practice	First in a three-quarter foundation sequence introducing students to a broad range of contemporary art, media, and practices in relation to their twentieth-century cultural and historical antecedents. ART 1A deals specifically with contemporary painting and photography.		x	culture, cultural heritage, society
Arts	Art	Undergraduate	ART 1B	Art in Context: History, Theory, and Practice	Deals with film/video/performance. Concerned with the development of modern/contemporary film, video, and performance, with a focus on experimental and avant-garde production from the early twentieth-century to today.		x	culture, cultural heritage, society
Arts	Art	Undergraduate	ART 1C	Art in Context: History, Theory, and Practice	Third in a three-quarter foundation sequence introducing students to a broad range of contemporary art, media, and practice in relation to their twentieth-century cultural and historical antecedents. Deals specifically with space and cyberspace.		x	culture, cultural heritage, society
Arts	Art	Undergraduate	ART 40	Beginning Sculpture	The practice of sculpture in the contemporary arts; inclusion of spatial interventions, site-specific and environmental design, appropriation of found materials; techniques in cutting joining, and assembly of wood, metals, and plastics. May include casting, welding, and ceramics.		x	local materials, environmental, design, reuse, recycle
Arts	Art	Undergraduate	ART 8	Changing Creativity	Explores creativity as a changing concept in historical and contemporary terms from the perspectives of producers, consumers, and institutions. Encompasses international perspectives and the role of new technologies in considering creativity as a resource for innovation and social change.		x	adapt, social change, society, cultural heritage, culture, resource

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Arts	Art	Undergraduate	ART 81B	Digital Filmmaking Production II	Focuses on video stage production, technical skills including camera operation, stage lighting, sound recording, and construction of basic scenic elements. Emphasis is placed on the function and responsibilities of the production crew and proper working and safety procedures. The LED Lighting Workshop puts next-generation low-carbon film lighting fixtures into the hands of students through partnership with top film lighting technology companies. Film production projects teach the importance of and utilize Forest Stewardship Council/Rainforest Alliance Certified wood products, and lower carbon, no-VOC, up-cycled, and recyclable materials to construct and dress our film sets.		x	green materials, carbon neutral, carbon, recycle, reuse, ethical, carbon cycle, stewardship
Arts	Art	Undergraduate	ART 12C	Intelligences of Arts	Introduces contemporary neuroscience and new approaches to cognition embodied, enactive, extended, situated, distributed. Reviews the history of related ethological, biological, psychological, technological, and philosophical traditions. Considers arts and cultural practices from these and other perspectives, and considers case studies.		x	culture, cultural diversity
Arts	Art	Undergraduate	ART 127B	Issues in Experimental Film History	A critical study of experimental film/video art genres and production techniques considering their narrative, structural, iconographic, and cultural aspects. Hollywood narrative, Nouvelle Vague, American Independent, and Video Art compared in terms of production innovation, design, and conceptual content.		x	culture, design, international, cultural heritage
Arts	Art	Undergraduate	ART 123B	Issues in Media, Violence, and Fear	Violence has been instrumental in story-telling throughout history in art, literature, religion, and entertainment. Continuing presence of media violence provoked debates among parents, politicians, media producers, and academics. Examines history, theory, aesthetics, economics, and politics of violent representation.		x	economic, violence
Arts	Art	Undergraduate	ART 125	Issues in Photography	Rigorous investigation of photographic practices and critical writings, the relationship of photography to the construction and maintenance of cultural institutions, the circulation of photographic ideas in society, and photography and technology.		x	society, culture, preservation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Arts	Art	Undergraduate	ART 138	Place Making and Public Art	How do art interventions in public spaces inform our definition of "place" and develop culturally informed audiences? Students will engage in class projects and group investigations that question the traditional and institutional conceptual boundaries of exhibition/distribution.		x	public space, culture, infrastructure
Arts	Art	Undergraduate	ART 9B	Visual Culture: A Culture Divided	Throughout the 1980s and 1990s, controversies flourished in the mainstream media over purportedly obscene art, anti-American writing, and moral decay, among other issues. Examines these new conflicts as they manifest themselves in public life and everyday experience.		x	moral and spiritual education, public space, culture, cultural heritage
Arts	Art	Undergraduate	ART 9A	Visual Culture: Media, Art, and Technology	Examines creative activities in all spheres of life, including the "artistic" impulses that dwell in the individual. Culture is addressed in broad terms of the many institutions and cultural forces that shape everyday activities of listening, seeing, doing.		x	culture, cultural heritage, society
Arts	Dance	Undergraduate	DANC 2	Dance Health and Injury Prevention	An overview of factors that affect the health of dancers. Includes evaluation of general health measures and prevention and management of common dance injuries.		x	human health, health, bodily health, safety, wellness
Arts	Dance	Undergraduate	DANC 90A	Dance History I	Global perspectives. Topics and histories of dance and movement practices from various parts of the world.		x	international, global, cultural heritage, culture, cultural diversity, diversity
Arts	Dance	Undergraduate	DANC 3	Scientific Concepts of Health	Introduction to the scientific foundations of health, emphasizing those pertaining to success in college and lifetime wellness. Includes principles of cardiorespiratory, musculoskeletal, flexibility, and nutritional fitness. A variety of learning experiences are offered to apply science to real life.		x	human health, health, bodily health, safety, wellness
Arts	Drama	Undergraduate	DRMA 126W	African American Film and Drama	A critical investigation of films and plays written by African Americans, with emphasis on dramaturgical and cinematic strategies, individual and collective representation, and the legacy of African American political struggle.		x	minorities, migration, social, society, discrimination, governance, cultural diversity, diversity
Arts	Drama	Undergraduate	DRMA 20C	Culture in Performance	A three-quarter foundation series exploring the rich depth of theatre, drama, and other genres of performance across a wide variety of worldwide forms, for performer and audience.		x	culture, cultural heritage, international, diversity, cultural diversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Arts	Drama	Undergraduate	DRMA 164B	History of Costume	A study of the development of dress and the influence of cultural factors on clothing from late Baroque to World War I.		x	cultural heritage, culture, diversity, cultural diversity
Arts	Music	Undergraduate	MUSC 78	History of Jazz	Development of jazz from African and African American folk origins through blues, early jazz, swing, bebop, "cool" jazz, fusion, free jazz, and contemporary trends.		x	minorities, discrimination, international, cultural heritage, culture, diversity
Arts	Music	Undergraduate	MUSC 8	The Beatles and the Sixties	Through a study of the music of the Beatles, students are introduced to selected broader historical and cultural themes (e.g., race and music, gender and music, music and the counterculture) while developing an understanding of the basic elements of music.		x	culture, cultural diversity, international, discrimination, gender-sensitive, gender equality
<b>Total Arts</b>						<b>0</b>	<b>23</b>	
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL 97	Genetics	Introduction to genetics. Basic features of replication and expression of DNA, cell division, and gene transmission. Recombination and mutation in diploid organisms.		x	genetic resources, genetic diversity
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL H97	Honors Genetics	Introduction to genetics. Basic features of replication and expression of DNA, cell division, and gene transmission. Recombination and mutation in diploid organisms.		x	genetic resources, genetic diversity, health
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL 75	Human Development: Conception to Birth	Processes leading to the birth of a healthy child and the avoidance of birth defects. Male and female reproductive systems, hormonal control of egg-sperm formations, sexual intercourse, contraception, venereal diseases, fertilization, cell division, embryonic development, fetal physiology.		x	disease, reproductive health, family planning, reproductive rights, development
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL 56	Life Sciencing from Aristotle to Venter	History of biology from Aristotle through to the scientific revolutions precipitated by Darwin, geneticists, molecular biologists, and now genomics. Introduces the practices and achievements of biological research to both beginning biology students and non-majors.		x	genetic diversity, diversity, origins of life
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D130	Photomedicine	Studies the use of optical and engineering-based systems (laser-based) for diagnosis, treating diseases, manipulation of cells and cell function. Physical, optical, and electro-optical principles are explored regarding molecular, cellular, organ, and organism applications.		x	disease, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D133	Advances in Regenerative Medicine	Introduces the rapidly growing field of regenerative medicine. New developments in stem cell research are discussed. Cellular, molecular, and engineering aspects of stem cell-based organ replacement strategies are examined, with emphasis on specific regenerative therapies.		x	regenerative capacity, regeneration, development
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D135	Cell Biology of Human Disease	Builds on prior biology courses about the underlying cell biological mechanisms and recent treatment advances of several model diseases. Emphasizes literature searches, reading primary literature, and student group work.		x	disease, human health, bodily health
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D105	Cell, Developmental, and Molecular Biology of Plants	Emphasizes the special features of plant cells and plant development as compared to animals. Two central topics: plants' ability to fuel our planet through photosynthesis, and the interactions of plants with microorganisms in making nitrogen available to other life forms.		x	solar, carbon cycle, interdependent, ecosystem, development, carbon dioxide, fuel
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D104	Developmental Biology	Cellular and molecular analysis of how a fertilized egg develops into an organism consisting of complex structures such as the eye, arms, and brain. Emphasis is on the key concepts of developmental processes underlying pattern formation, growth, and regeneration.		x	regeneration, development, life cycle, origins of life, human health, health
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D137	Eukaryotic and Human Genetics	Structure and function of genes in eukaryotes with emphasis on special problems of genetic studies in humans. Molecular methods of genetic analysis and gene transfer are discussed. Practical applications and ethical and social issues raised by genetic studies are addressed.		x	ethics, social, genetic diversity, disease, human health, bodily health
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D145	Genomics, Development, and Medicine	Focuses on the applications of genomics and proteomics to problems in genetics, cell, and developmental biology. Students will gain a comprehensive understanding of the techniques currently used for genomics analysis and how best to apply these tools to solve problems.		x	development, genetic diversity, human health, disease
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D139	Intercellular Signaling and Disease	Introduces cell-to-cell communication mechanisms, which are fundamentally essential but still not well understood. From well-established to cutting-edge, researches of intercellular communication and how its malfunction leads to diseases are discussed.		x	disease, human health, bodily health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Developmental and Cell Biology	Undergraduate	BIOL D132	Introduction to Precision Medicine	Introduction to the use of genomic techniques for the study of individual genomes and transcriptomes in healthy and diseased samples. Covers GWAS, current sequencing techniques, cancer genomics, and biomarker discovery.		x	disease, genetic diversity, human health, bodily health
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E118	Ecosystem Ecology	A mechanistic perspective on ecosystem processes. Covers ecosystem development, element cycling, and interactions with plants and microbes. The course theme focuses on climate change, environmental solutions, and awareness of sustainability issues impacting land-based ecosystems.	x		earth, earth system, ecosystem, carbon cycle, sustainability, environment, climate change, development
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E146	Ecosystem Services	Covers what ecosystem services are, how to classify them, what the impacts of land degradation are on ecosystem services, how to quantify and value them, and the importance of mainstreaming ecosystem services in decision-making.	x		respect for nature, resources, ecosystem, earth system, responsive decision-making, harmony with nature
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E145	Animal Coloration and Vision	Physiological and behavioral mechanisms of color production and vision including crypsis, mimicry, aposematism, masquerade, sexual dimorphism, and predator-prey interactions through the lens of signals, receivers, and receptors; color and polarization vision in mate choice and visual adaptations to aquatic environments.		x	environment, nature, adapt, natural
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E147	Behavioral Endocrinology	Comparative examination of the major hormone systems that regulate behavior across animals. Emphasizes the reciprocating nature of hormone-behavior interactions and seeks to understand how natural selection drives the evolution of hormone structure and function.		x	behavioral change, origins of life, reproductive health, health, nature, natural
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E184	Ecology and Diversity of Insects	Insects representing two-thirds of all species play fundamental roles in human health, agriculture, and natural ecosystems. Topics include insect morphology, development, physiology, taxonomy, ecology, and insects in human affairs. Lecture includes interactive demonstrations and an optional weekend trip. The course is an overview of insect biology including lectures on insect conservation.		x	human health, agriculture, ecology, conservation, ecosystems, nature, natural, food, hunger
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E168	Evolution	An integrative treatment of evolutionary biology that covers evolutionary processes, basic research methods, and the history of life.		x	origins of life, life cycle, life systems, genetic diversity, biodiversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E187	Exercise as Medicine	Explores the link between regular physical activity and health, focusing on mechanistic insights into how regular exercise improves overall health and alters disease trajectories of cancer, type-II diabetes, depression, and other chronic illnesses.		x	health, human health, disease, life cycle, quality of life, wellness, well-being
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E183	Exercise Physiology	Focus upon critical topics in the area of exercise biology using the comparative physiological approach. Specifically examine the physiological factors that limit the capacity of an organism to sustain high levels of aerobic metabolism.		x	sustainability, health, adaptive capacity, well-being, wellness
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL 94	From Organisms to Ecosystems	The course explores fundamental evolutionary and ecological principles and how they are relevant for understanding conservation and sustainability. Patterns of diversity, ecology, and evolutionary biology. Emphasis is on the Tree of Life and how its members are distributed and interact. Large component of the course focuses on human activities' influence on ecological systems.	x		conservation, sustainability, diversity, ecology
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E153	Functional and Structural Evolutionary Genomics	Function and organization of genomes analyzed from an evolutionary perspective. Review of some of the most recent experimental approaches in genome analysis and comparative genomics. Relevant software to analyze DNA and expression data is used.		x	genetic resources, genetic diversity, health
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E109	Human Physiology	Functional features of the major organ systems in the human body. Emphasis on homeostasis and the interactions of organ systems in health and disease.		x	disease, bodily health, human health, health
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E179	Limnology and Freshwater Biology	Biology of freshwater environments: lakes, ponds, rivers, their biota, and the factors which influence distribution of organisms.		x	environment, water, water resources, ecosystem, nature, freshwater
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E120	Marine Biology	Examines the biotic and abiotic factors influencing the physiology, distribution, abundances, interactions, and evolution of marine organisms and the roles of those organisms in mediating ecosystem services and functions. A field trip is required.		x	marine life, ocean, marine resources, ecosystem, interdependent

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E127	Physiological Plant Ecology	An examination of the interactions between plants and their environment. Emphasis on the underlying physiological mechanisms of plant function, adaptations and responses to stress, and the basis of the distribution of plants and plant assemblages across the landscape.		x	environment, interdependent, ecology, landscape, adapt, resiliency, water stress, nature, natural
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E155	Physiology in Extreme Environments	An in-depth look at the physiological mechanisms that allow animals, including humans, to be physically active and survive in extreme environments. Physiological responses to high altitude, diving, microgravity, deserts, and extreme cold are examined.		x	environment, resiliency, human health, adapt, health, climate-related
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E106	Processes in Ecology and Evolution	An in-depth study of the mechanisms that drive evolution and ecology including: natural selection, mutation, genetic drift, speciation, extinction, life history patterns, population dynamics, ecosystem and community structure, predator-prey and host pathogen interactions, and social behavior. Nearly every lecture and assignment includes some discussion of the effect of human activities on ecological processes/systems.		x	nature, natural, extinction, ecology, community, social, population growth, life cycle, origins of life
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E119	Selfish DNA	Focuses on the genetics and evolution of selfish DNA, and introduces necessary background knowledge from molecular biology, cytogenetics, and bioinformatics.		x	genetic resources, genetic diversity, health
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	BIOL E136	The Physiology of Human Nutrition	Examines the biochemical basis of energy metabolism, physiological processes in digestion and uptake, and the biochemical transformation of carbohydrates, fats, and proteins in the human body. The emphasis is on expanding the students' understanding of physiology.		x	malnutrition, food, undernourishment, human health, health, energy
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL 9B	Biology and Chemistry of Food and Cooking	The kitchen is used as a laboratory to introduce fundamental principles of biology, chemistry, and physics. A molecular/cellular analysis of cooking, including concepts such as protein structure, browning reactions, colloids, emulsions, carbohydrate metabolism, and development of flavor/texture through biochemical transformations.		x	food, malnutrition, hunger

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL 99	Molecular Biology	Biochemistry and replication of nucleic acids; molecular genetics; protein biosynthesis; genetic code; regulation of expression of genetic information; biochemical evolution.		x	genetic resources, genetic diversity
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M114	Advanced Biochemistry	Physical-chemical properties of macromolecules. Structure-function relationships in nucleic acids, protein, carbohydrates, and lipids. Integration and regulation of metabolism. Biochemistry of organs and biochemistry of diseases.		x	health, wellness, disease, human health, food
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M116	Advanced Molecular Biology	Mechanisms of gene expression; special emphasis on regulatory events that occur in Eukaryotic organisms other than initiation of transcription. Chromatin structure and rearrangement, RNA polymerases, cis- and trans-acting elements, RNA processing, transport and stability, protein synthesis, trafficking, and turnover.		x	disease, natural, human health, health, life systems
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M122	General Microbiology	Comparative metabolism of small molecules and cell structure and relationship to microbial classification. Macromolecule synthesis and regulation, sporulation, cell division, growth, and effect of antibiotics.		x	health, human health, disease, living beings, origins of life, genetic resources, natural
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M143	Human Parasitology	Introduction to human animal-parasitic diseases including worms and protozoan infections.		x	disease, natural, human health, health, interdependent, wellness
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M131	Innate Immunity, Infection, and Pathogenesis	Role of the innate immune system in health and disease. Molecular pathways of innate immune recognition, expression, and regulation of immune receptors, signal transduction, pathogen sensors, and detection of microbial ligands. Lecture and discussion of primary research articles.		x	health, disease, human health, health, bodily health, wellness
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M137	Microbial Genetics	Basic principles of microbial genetics are presented as lectures for the first half of the course. The second half is devoted to applications of these principles and requires reading review and original research papers and interactions with guest lecturers.		x	health, genetic resources, nature, natural, environment
Biological Sciences	Molecular Biology and Biochemistry	Undergraduate	BIOL M124A	Virology	Replication of viruses in populations, animals, and the host cell. The effects of viral infection on populations, individuals, and specific molecular effects on the target cell. Role of viral infections in cancer and degenerative diseases.		x	disease, regenerative capacity, population, health, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N152	Developmental Neurobiology	The development of the nervous system is discussed with emphasis on the processes that underlie the appearance of complex and highly ordered neural circuits. Topics include neural induction, specification, migration and death; axon growth, and neural circuit formation.		x	development, wellness, well-being, human health, health, bodily health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N121	Drug Addiction	Provides a comprehensive overview of topics in the addiction field, including drug pharmacology, models/approaches to investigate addiction, brain circuits, genetics, epigenetics, and the cellular and molecular biology of drug addiction.		x	health, human health, hazardous substances, future generations
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N127	Foundations in Neuroimmunology	The immune system supports normal brain development as well as controls central nervous system (CNS) infections and augments neurodegenerative and neurological diseases. Assesses how the immune system contributes to both host defense and disease.		x	disease, development, wellness, regenerative capacity, regeneration, human health, health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N147	Hearing and the Brain	An overview of brain mechanisms of hearing, including perception of simple sounds, speech, and music. Begins with sound itself, and looks at processing by the ear, auditory pathways, auditory cortex, and beyond. Also auditory development, learning, and clinical issues.		x	health, disability-sensitive, persons with disabilities, human health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N120A	Human Biology I	Provides an in-depth look at cutting-edge topics in physiology and epidemiology as they relate to global issues of ethics, anthropology, and socioeconomics, providing the student with an understanding of human health beyond basic biological function.		x	ethics, economic, social, society, human health, environment, disease, global, international
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N120B	Human Biology II	Provides an in-depth look at cutting-edge topics in physiology and epidemiology as they relate to global issues of ethics, anthropology, and socioeconomics, providing the student with an understanding of human health beyond basic biological function.		x	ethics, economic, social, society, human health, environment, disease, global, international
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N120C	Human Biology III	Provides an in-depth look at cutting-edge topics in physiology and epidemiology as they relate to global issues of ethics, anthropology, and socioeconomics, providing the student with an understanding of human health beyond basic biological function.		x	global, ethics, society, economic, human health, health, disease

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N131	Human Neurodegenerative Diseases	Clinical and epidemiological aspects of neurodegenerative diseases causing dementia are reviewed, including Alzheimer's disease, Parkinson's disease, Huntington's disease, and Frontotemporal Dementia. Seminar format includes student presentation and group discussion.		x	regenerative capacity, regeneration, disease, human health, health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N117	Introduction to Neuroscience Clinical Trials	Provides an overview of the science of clinical development of treatments for neurological disease and injury.		x	regeneration, regenerative capacity, disease, human health, wellness, well-being, health, development
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N154	Molecular Neurobiology	Provides a fundamental understanding of how the brain works at the molecular level. Topics include nature and actions of molecules that regulate the functioning of the brain and cellular mechanisms underlying learning and memory.		x	development, wellness, human health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL N174	Principles of Neural Computation	Introduction to the theoretical principles and biological mechanisms underlying how brains acquire, assimilate, store, and retrieve information, and how they compute adaptive responses to external inputs.		x	adapt, responsive decision-making, human health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL 41	Aspects of Mood Disorder	There are significant differences in response to psychiatric illness across cultures. Delves into the neuroscience underlying mood disorder, investigating current pharmacological treatments and sociocultural influences on treatment outcomes.		x	well-being, wellness, society, culture, health, human health
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL 37	Brain Dysfunction and Repair	Introduction to the disruptions in brain function that underlie disorders such as Alzheimer's disease, Parkinsonism, schizophrenia, and depression, and the basis for drug therapies. The brain's ability to repair itself after damage and the pros and cons of that repair.		x	disease, regeneration, regenerative capacity, human health, health, bodily health, well-being, wellness
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL 36	Drugs and the Brain	Introduction to the actions of drugs on the brain. How studying drug action helps reveal normal functions of neurons. How drugs can correct neural disorders or disrupt neural function. Biological issues related to drug abuse, drug addiction, and drug seeking.		x	health, hazardous substances, well-being, wellness, human health, behavioral change

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL 17	Evolutionary Psychology	Introductory overview of the field of evolutionary psychology. Surveys topics operating at the interface of social sciences, i.e. behavioral psychology and evolutionary biology, while developing select aspects of the history of this developing field.		x	social, adapt, origins of life, behavioral change
Biological Sciences	Neurobiology and Behavior	Undergraduate	BIOL 35	The Brain and Behavior	Introduction to how the brain works. Biological processes underlying perception, movement, sleep-wake cycles, motivation, language, learning, and memory. Changes in the brain associated with sex differences, drug use, aging, seasons, and time of day. Fundamental properties of the nervous system.		x	health, hazardous substances, well-being, wellness, life cycle, gender inequality, gender-sensitive
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 45	AIDS Fundamentals	Considers the biological and sociological bases of the AIDS epidemic. Topics include the history of AIDS, current medical knowledge, transmission, risk reduction, and how the community can respond.		x	AIDS, HIV infections, disease, society, global health risks, global, community
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 193B	Campus as a Living Lab II	Students study sustainability concepts and theories and how they apply to our most pressing environmental, social, and economic challenges. Concurrently, they work on hands-on projects to improve the sustainability of campus operations and systems.	x		sustainability, sustainable, environmental, environment, social, economic
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 193C	Campus as a Living Lab III	Students study sustainability concepts and theories and how they apply to our most pressing environmental, social, and economic challenges. Concurrently, they work on hands-on projects to improve the sustainability of campus operations and systems.	x		sustainability, sustainable, environmental, environment, social, economic
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 46	Discussion and Literature Research in AIDS	Students carry out two activities: (1) leading discussions about HIV/AIDS (predominantly regarding sociological and personal reactions) among students taking the AIDS Fundamentals course and (2) literature research about biomedical aspects of AIDS.		x	AIDS, disease, gender-sensitive, international, health, human health, HIV infections
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 9K	Global Change Biology	Field trips and lectures that address ways in which humans are altering the global environment, with consequences for the ecology of animals, plants, and microbes.	x		environment, global

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 108	Research Methods	Explores tools of inquiry for developing and implementing science research projects. Students undertake independent projects requiring data collection, analysis, and modeling, and the organization and presentation of results. Additional topics include ethical issues and role of scientific literature.		x	ethics, ethical, humane
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 194S	Safety and Ethics for Research	Introduces students to the concepts, techniques, and ethics involved in biological sciences laboratory work.		x	ethics, humane, cruelty to animals, safety
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 2C	Solutions in Science	Students will be introduced to approaches that can be used to solve scientific problems. These methods can be utilized in introductory to advanced classes and will allow students to become independent thinkers. Field trips and lessons examine how field research is used to study ecological interactions involving non-native invasive species.		x	invasive species, native species, ecology, ecological systems, biodiversity, alien species
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL H90	The Idiom and Practice of Science	The importance of biological sciences in our world is discussed. Topics may include brain and behavior, health and disease, genetics and society, and conservation biology. Primary goal is to encourage students to understand better the world in which they live.		x	conservation, society, human health, health, disease
Biological Sciences	School of Biological Sciences Core	Undergraduate	BIOL 6	Tropical Biology: Race to Save the Tropics	Population growth combines with tropical resource consumption by industrialized nations to cause high rates of deforestation, pollution, habitat fragmentation, and extinction of species. Discusses tropical biomes, their population, community, ecosystem processes, and possible means of conservation of biodiversity. This course focuses on threats and challenges in tropical environments, biodiversity conservation, human-environment interactions and sustainability.	x		population growth, deforestation, pollution, biodiversity, extinction, habitat
<b>Total Biological Sciences</b>						<b>7</b>	<b>59</b>	
Business	Business	Undergraduate	MGMT 137	Advanced Accounting	Covers advanced concepts in accounting theory and practice. Topics include business combinations, consolidated financial statements, foreign exchange transactions, international, and governmental/nonprofit accounting standards.		x	international, law and regulation, global, trade

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Business	Business	Undergraduate	MGMT 166	Business of Medicine	In order to improve the quality and efficiency of health care delivery one must understand the design and management of health care operations. Opportunities for innovation and changes needed to design a simple, accessible, fair, and effective health care system.		x	equal access, equity, equality, health, human health, universal health care, design
Business	Business	Undergraduate	MGMT 150	Consumer Behavior	Application of the behavioral sciences to understanding buyer behavior. Topics include perception, memory, affect, learning, persuasion, motivation, behavioral decision theory, social and culture influences, and managerial implications.		x	behavioral change, social, culture, society, material consumption, consumption
Business	Business	Undergraduate	MGMT 196	Decision Analysis	Use of decision analysis digital technologies for multiple objective decisions under certainty; decision-making under risk using decision trees; fitting probability distributions to judgments or data; and Monte Carlo simulation, applied to business, government, not-for-profit, and personal decisions. Examine multiple objectives of multiple stakeholders (environmentalists, business, employees, community, etc.) in decisions affecting the environment.		x	multi-stakeholder partnerships, responsive decision-making, civil society, community, environment
Business	Business	Undergraduate	MGMT 194	Financial Statement Analysis	Study of financial statements and their related footnotes; tools and procedures common to financial statement analysis; relationships among business transactions, environmental forces (political, economic, social), and reported financial statement information; how financial statement information can help solve certain business problems.		x	social, economic, environmental, law and regulation, governance
Business	Business	Undergraduate	MGMT 145	FinTech	Provides working knowledge of economic mechanisms in areas of FinTech. Identifying and analyzing important issues through a balance of qualitative analysis and quantitative applications. Topics covered include Bitcoin, Blockchain, Crowdfunding, peer-to-peer lending, robo-advisor, and their economic and social impacts.		x	economic, social, efficiency

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Business	Business	Undergraduate	MGMT 126	Foundations of Teams	Social and psychological processes that detract from effective teamwork and collaboration. Tools to understand how to be a better team member are introduced. Provides the foundation for students to become effective team leaders and to manage difficult team situations.		x	collaborative, cooperation, representative decision-making
Business	Business	Undergraduate	MGMT 154	Global Marketing	Students are exposed to the challenges and opportunities facing marketers in the international marketplace. Special attention is given to the management of cultural differences in product development, distribution systems, pricing, and promotion.		x	global, culture, cultural diversity, diversity, development, international
Business	Business	Undergraduate	MGMT 124	Human Resources Management	Theory and practice of managing human resources. Students will identify and analyze HR dilemmas, apply labor law, and design systems and processes to develop the human resources needed to help organizations achieve their goals.		x	resources, labor standards, law and regulation, resource efficiency
Business	Business	Undergraduate	MGMT 128	International Management	Impact of different cultures and political/economic systems on assumptions, expectations, and organizational practices relevant to conducting business in different national settings. Understanding of the challenges of cross-national management and resources utilized to work and conduct business outside the United States.		x	international, global, culture, economic, cultural diversity
Business	Business	Undergraduate	MGMT 1	Introduction to Business and Management	Rigorous overview of major business functions and management topics. Addresses the global and fast-changing environment in which modern business enterprises operate as well as the challenges posed by concerns about sustainable growth, ethics, and social responsibility.		x	global, social, responsibility, ethics, sustainability
Business	Business	Undergraduate	MGMT 129	Leadership	Case analyses, free-form discussion, and written assignments designed to develop critical thinking skills, as well as knowledge of approaches to differing leadership challenges. Experiential exercises encourage students to develop their ability to innovate, foster collaboration, manage conflict, and value diversity.		x	representative decision-making, collaborative, diversity, diverse

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Business	Business	Undergraduate	MGMT 144	Multinational Finance	Focuses on financial issues facing multinational corporations, the most important of which is the management of foreign exchange risk. Introduction to investments and financing decisions in international capital markets.		x	international, multi-stakeholder partnerships, capital, global
Business	Business	Undergraduate	MGMT 189	Operations Management	Managing the productive resources, from which raw materials as inputs are being transformed into useful outputs of final products and services. Explanation of issues pertaining to both manufacturing and services-oriented systems.		x	material consumption, material sufficiency, resource, resource efficiency
Business	Business	Undergraduate	MGMT 110	Strategic Management	Addresses management of the entire business. Role of the general manager in organizations, industry analysis, core competencies, growth through vertical integration, innovation, acquisition and diversification, globalization, strategy implementation, and the ethical and moral responsibility of a manager.		x	diversity, globalization, responsibility, representative decision-making
Business	Business	Undergraduate	MGMT 182	Supply Chain Management	Flows of materials and information among all of the firms that contribute to a product or service. Forecasting, demand management, logistical networks, inventory management, supplier contracting, sourcing, information technology, flexibility, globalization, and performance management.	x		planning, resource, resource efficiency, efficiency, globalization
Business	Business	Undergraduate	MGMT 165	U.S. Healthcare Systems	Providers, suppliers, payers, consumers, and the unique market dynamics among these players. Structure, organization, and financing of health care. The health care industry's relationship to the overall economy will be explored.		x	human health, public health, economy, bodily health, universal health coverage
<b>Total Business</b>						<b>1</b>	<b>16</b>	
Education	Education	Undergraduate	EDUC 30	21st Century Literacies	Provides an overview of literacies required for academic and career success in the 21st century. Issues addressed include reading, writing, academic language, research skills, media and technology skills, scientific literacy, critical thinking, communication, collaboration, and creativity.		x	literacy, collaborative, cooperation, education
Education	Education	Undergraduate	EDUC 108	Adolescent Development and Education	Explores the physical, cognitive, emotional, and social development of adolescents, with an emphasis on the practical implications of developmental theory and research findings for teachers and other professionals who work with adolescents in middle or high school contexts.		x	education, social, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Undergraduate	EDUC 142	American History and Education Policy: An Intimate Relationship	Examines the interplay between history, politics, and policy. Students examine the interactions between sociopolitical development and environmental contexts (e.g. familial, social, school, cultural) and contemplate the power of normative values in the formulation of education policy.		x	policy, society, governance, environmental, culture, social, education, power
Education	Education	Undergraduate	EDUC 150	Changing the High School Experience	Analysis of problems in high school education (e.g., student disengagement and underachievement of disadvantaged) and proposals for changing curriculum, instruction, and school organization. Students suggest own reforms and analyze effective/ineffective school practices.		x	engage, education, underserved communities, disadvantaged communities, disability-sensitive, equity, equal opportunities, persons with disabilities
Education	Education	Undergraduate	EDUC 107	Child Development in Education	Explores the pathways of normally developing children's growth and change over time. In particular, focuses on how cognitive and social development impact and are driven by educational contexts.		x	education, social, development
Education	Education	Undergraduate	EDUC 130	Children's Learning and Media	Examines how popular media may impact how young people learn, develop, and communicate by looking at research related to the impacts of a wide range of popular media including television, video games, digital environments, mobile devices, and other multimedia.		x	development, social, education
Education	Education	Undergraduate	EDUC 143BW	Classroom Interactions II	Focuses on equity and multicultural education research, special education, and research-based instructional and assessment strategies to assist students in designing, teaching, and assessing lessons that meet the needs of all secondary mathematics and science students.		x	equity, culture, disability-sensitive, education, cultural diversity, diversity, equality, equity, persons with disabilities
Education	Education	Undergraduate	EDUC 148	Complex Pedagogical Design	In this Cal Teach capstone course, students design lesson plans and complex instructional units, using approaches such as mathematics and science integration, problem-based instruction, project-based learning, technology, representations, scientific and mathematical analysis/modeling, authentic assessment, contextualization, and designing equitable learning environments.		x	equity, education, quality education, environment, equal opportunities, disability-sensitive, persons with disabilities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Undergraduate	EDUC 143	Controversies in College	Explores the fascinating world of postsecondary education. Every week students dive deeper into controversies that make college more than just where students attend class, but rather, one of the most important social institutions shaping our world.		x	education, social, culture
Education	Education	Undergraduate	EDUC 140	Courts, Classrooms, and Controversies in Education Policy	Examines policies and laws defining the K-12 U.S. education system and the politics and controversies surrounding the political decision-making process at the federal, state, and local levels. Discusses original intent versus effects on organization of schools and educational equity.		x	education, equity, representative decision-making, governance, law and regulation, policy, public policy
Education	Education	Undergraduate	EDUC 161	Discovering Science in Out-of-School Hours	Examines the design principles and teaching techniques that science museums and other out-of-school science programs use to motivate children and youth to learn science through discovery. Includes field experience at a science learning center or after-school program.		x	development, education, equal opportunities, equity
Education	Education	Undergraduate	EDUC 106	Early Childhood Education Curriculum and Instruction	Designed to provide an introductory survey of the nature, needs, and education of young children. Explores questions such as "What should we teach young children?" and "How should we teach?" Contains a module on diversity.		x	education, diversity, cultural diversity, equality, equity
Education	Education	Undergraduate	EDUC 174	Education and the American Dream: Historical Perspectives on Democracy and Education	Examines the relationship between public schooling and the promotion of democratic ideals in American society over the past two centuries.		x	education, society, democracy
Education	Education	Undergraduate	EDUC 146	Education, Learning, and Culture	Exploration of learning and development through a cultural lens, drawing from a range of research traditions and disciplines to broaden understandings of theories that inform teaching and learning in formal and informal settings.		x	education, culture, cultural diversity, diversity, traditional knowledge
Education	Education	Undergraduate	EDUC 100	Educational Strategies for Tutoring and Teacher Aiding	Placement in a public elementary or secondary school to gain experience as a tutor or teacher aide. Emphasis on cognitive learning and the development of instructional strategies and resources which can be used in effective cross-age and cross-cultural experiences.		x	development, equity, equality, equal opportunities, culture, diversity, cultural diversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Undergraduate	EDUC 131	Educational Technology	Presents an overview of the types and uses of educational technology to support and enhance the K-12 learning experience. Familiarizes students with lesson planning, instructional design, learning theory, and integrating technology into the curriculum. Includes lecture on Educational Technology and Equity.		x	development, education, planning, equity, design
Education	Education	Undergraduate	EDUC 126	Ethics and Education	Ethics in education and how ethicists frame moral problems. Presents major ethical themes that affect education. Analysis of models for dealing with ethical goals and developing morality for K-12 students. Models for solving ethical dilemmas within an educational context.		x	ethics, education, moral and spiritual education
Education	Education	Undergraduate	EDUC 128	Exceptional Learners	An introductory survey of the nature, needs, and education of K-12 children with exceptionalities. Covers the categories and characteristics of exceptionalities, relevant state and federal legislation, and the role of general education teachers in special education.		x	education, law and regulation, development, equity, disability-sensitive, persons with disabilities
Education	Education	Undergraduate	EDUC 149	Family, School, and Community in Early Childhood	Focuses on the many socializing aspects of young children's social worlds. Through the use of ecological perspectives, explores the role of families, schools, and communities on children's social development, especially in early childhood.		x	social, society, communities, development, education
Education	Education	Undergraduate	EDUC 52	Foundations of Bilingual Education and Bilingualism	Provides a comprehensive overview of current issues in bilingual education and bilingualism. Topics include dimensions of bilingualism, the effects of bilingualism on children's linguistic and cognitive development, bilingual education programs, literacy, special needs, and assessment.		x	development, quality education, literacy, disability-sensitive, culture, diversity, education, persons with disabilities
Education	Education	Undergraduate	EDUC 160	Foundations of Out-of-School Learning	Provides an overview of child and adolescent learning through participation in out-of-school activities and settings. Recognizes the importance of matching out-of-school experiences with the interests, needs, and development level of students. Observation-based fieldwork included.		x	development, education, equity, equal opportunities, disability-sensitive, persons with disabilities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Undergraduate	EDUC 25	Introduction to Education: Disciplinary Perspectives	Provides insights into educational organizations and processes by developing understanding of concepts used by four different disciplines (economics, history, psychology, and sociology) to analyze key issues and phenomenon in the field of education that profoundly influence individual life course outcomes.		x	education, economic, social, society
Education	Education	Undergraduate	EDUC 120A	Introduction to Positive Psychology in Education	Positive psychology is a recent focus area within the field of psychology that explores what is positive, creative, and fulfilling in human behavior. It is the scientific study of well-being and flourishing.		x	wellness, well-being, education, development
Education	Education	Undergraduate	EDUC 151	Language and Literacy	Addresses the linguistic principles and processes that underlie oral and written language proficiency. Emphasis is on how to use phonology, morphology, orthography, semantics, syntax, and pragmatics to support literacy and oral language development for K-12 students.		x	development, quality education, equal opportunities, literacy
Education	Education	Undergraduate	EDUC 154	Latino Families and Youth	Current issues in theory, methods, and research in U.S. Latino/a youth and families are examined. An advanced level study, with a particular focus on history, theories, methods, research, and applied social issues.		x	minorities, social, migrants
Education	Education	Undergraduate	EDUC 124	Multicultural Education in K-12 Schools	Provides a theoretical and empirical overview of educational issues affecting low-income immigrant and U.S. born minority student populations in an increasingly diverse and changing society.		x	education, the poor, poverty, migrant, minorities, education, diverse, culture, cultural diversity, social change, society, quality education, inequality, equity
Education	Education	Undergraduate	EDUC 104E	Multimedia and the Arts in the Multicultural Classroom	Multiculturalism and under-represented U.S. minorities and the visual and performing arts: perspectives in artistic perception, creative expression, historical and cultural context, aesthetic valuing, and media literacy in the interpretation and production of multimedia arts products and applications for K-12 classrooms.		x	culture, international, literacy, education, minorities, migrants, culture of tolerance, cultural diversity, inclusive, diversity
Education	Education	Undergraduate	EDUC 50	Origins, Purposes, and Central Issues in K-12 Education	An introduction to the role of education in U.S. society and to central issues in K-12 education. Education is studied from four different perspectives: social, historical, philosophical, and political.		x	education, social, law and regulation, society, equal opportunities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Undergraduate	EDUC 147	Poverty, Education, and Social Change	Explores how institutional and demographic changes in the U.S. have shaped disparities in education, the mechanisms through which poverty and social class influence families, and students, and promising programs and interventions to address inequity. Includes community service.		x	poverty, education, social change, social, inequity, community, disparities
Education	Education	Undergraduate	EDUC 190	Principles and Practices of K-6 After School Sports and Fitness	Focuses on foundational theories and instructional practices in after-school sports and fitness for K-6 students. Includes a 20-hour field experience in an after-school setting.		x	wellness, well-being, health, development, equity, human health
Education	Education	Undergraduate	EDUC 132	Reading and Writing Enrichment for After-School Programs	Examines literacy development and the implementation of research-based practices to enrich learners' reading and writing skills in after-school programs. A minimum of 20 hours of after-school program fieldwork is required in order to design and implement literacy enrichment activities.		x	literacy, development, education
Education	Education	Undergraduate	EDUC 109	Reading and Writing in Mathematics and Science	Emphasis is placed on understanding the literacy processes (listening, speaking, viewing, thinking, reading, and writing) as they relate to middle and high school mathematics and science. Students integrate literacy-related strategies with curriculum-based goals supported in the California State Frameworks.		x	literacy, education, disability-sensitive, persons with disabilities
Education	Education	Undergraduate	EDUC 101	Strategies for Tutoring and Teacher Aiding in a Bilingual Classroom	Placement in a dual immersion school setting to gain experience as a bilingual (Spanish) tutor or teacher aide. Emphasis on cognitive learning and the development of instructional strategies and resources which can be used in effective cross-age and cross-cultural experiences.		x	development, equity, equality, equal opportunities, culture, diversity, cultural diversity, minorities
Education	Education	Undergraduate	EDUC 134	Teaching English Internationally	Covers methods of teaching English as a foreign language, basic language knowledge for English teachers, the social context of English language teaching around the world, and essential information about securing international employment as an English teacher.		x	international, global, culture, cultural diversity, diversity, social
Education	Education	Undergraduate	EDUC 144	The American Charter School	Explores the legitimacy of the charter school as a viable educational reform movement. Critical themes include the role of choice and privatization in public education and charter schools as a vehicle for fulfilling the promise of educational equality.		x	equality, equal opportunities, equity, education

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Undergraduate	EDUC 104D	The Arts and Human Development	Students use various arts disciplines (e.g. studio art, music, dance, drama, and media arts) to investigate how visual and performing arts support individual human development. Introduction to pedagogy for integrating the arts in K-12 settings. Teaches students the use of puppet theater to increase inclusivity and diversity, as well as how to manage multiple levels of English proficiency in the classroom.		x	inclusive, diversity, gender-sensitive, disability-sensitive, education, literacy, development, persons with disabilities
Education	Education	Undergraduate	EDUC 145	Theories and Pedagogies of Race in Education	Introduces theoretical frameworks to examine the role of race in American education. Emphasis is placed on introducing students to different race and ethnicity paradigms.		x	education, minorities, culture, cultural diversity, inequality, equity
<b>Total Education</b>						<b>0</b>	<b>37</b>	
Engineering	Biomedical Engineering	Undergraduate	BME 110A	Biomechanics I	Introduction to statics and dynamics. Topics include rigid bodies, analysis of structures, forces in beams, moments of inertia, friction, kinetics, work, and energy.		x	infrastructure, safe, energy, building
Engineering	Biomedical Engineering	Undergraduate	BME 180A	Biomedical Engineering Design	Design strategies, techniques, tools, and protocols commonly encountered in biomedical engineering; industrial design experience in group projects; ethics, economic analysis, and FDA product approval.		x	ethics, human health, health, economic analysis, law and regulation, design
Engineering	Biomedical Engineering	Undergraduate	BME 180B	Biomedical Engineering Design	Design strategies, techniques, tools, and protocols commonly encountered in biomedical engineering; industrial design experience in group projects; ethics, economic analysis, and FDA product approval.		x	ethics, human health, health, economic analysis, law and regulation, design
Engineering	Biomedical Engineering	Undergraduate	BME 180C	Biomedical Engineering Design	Design strategies, techniques, tools, and protocols commonly encountered in biomedical engineering; industrial design experience in group projects; ethics, economic analysis, and FDA product approval.		x	ethics, human health, health, economic analysis, law and regulation, design
Engineering	Biomedical Engineering	Undergraduate	BME 150	Biotransport Phenomena	Fundamentals of heat and mass transfer, similarities in the respective rate equations. Emphasis on practical application of fundamental principles. Students study the transport in the kidneys and drug transport/pharmacokinetics.		x	human health, bodily health, health
Engineering	Biomedical Engineering	Undergraduate	BME 50A	Cell and Molecular Engineering	Molecular, structural, genetic, biophysical, and cellular principles of life and bioengineering. Introduction to molecular bioengineering, genetic engineering, synthetic biology, and cell biology. Applications to genetic and biomolecular design.		x	origins of life, life systems, genetic diversity, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Biomedical Engineering	Undergraduate	BME 111	Design of Biomaterials	Natural and synthetic polymeric materials. Metal and ceramics implant materials. Mechanical properties, degradation, surface characterization, and design of materials. Wound repair, blood clotting, foreign body response, biocompatibility of material. Artificial organs and medical devices. Government regulations.		x	governance, law and regulation, health, human health, design
Engineering	Biomedical Engineering	Undergraduate	BME 140	Design of Biomedical Electronics	Analog and digital circuits in bioinstrumentation. AC and DC circuit analysis, design and construction of filter and amplifiers using operational amplifier, digitization of signals and data acquisition, bioelectrical signals, design and construction of ECG instrument, bioelectrical signal measurement and analysis. Students learn the safety issues involved in bioelectrical measurement and medical instrumentation.		x	safety, human health, health, bodily health, electric
Engineering	Biomedical Engineering	Undergraduate	BME 3	Engineering Innovations in Treating Diabetes	Innovations in diabetes treatment from the 1800s until the present: purification of insulin, measuring and control of blood glucose, recombinant DNA, clinical trials, and ethics. Solving optimization problems in engineering with Excel.		x	ethics, food, malnutrition, undernourishment, human health, wellness, health
Engineering	Biomedical Engineering	Undergraduate	BME 1	Introduction to Biomedical Engineering	Introduction to the central topics of biomedical engineering. Offers a perspective on bioengineering as a discipline in a seminar format. Principles of problem solving, design, engineering inventiveness, entrepreneurship, information access, communication, ethics, teamwork, and social responsibility are emphasized.		x	ethics, responsibility, design, health, human health
Engineering	Biomedical Engineering	Undergraduate	BME 147	Microfluidics and Lab-on-a-Chip	Introduction to principles of microfluidics and state-of-the-art micro Total Analysis Systems (uTAS). Lab-on-a-Chip for biomolecular assays with device design principles for microscale sample preparation, flow transport, biomolecular manipulation, separation and detection, and the technologies for integrating these devices into microsystems.		x	green laboratory, design, (implications for: disease, developing countries, least developing countries, malaria, water-borne diseases, AIDS, HIV infections)
Engineering	Biomedical Engineering	Undergraduate	BME 148	Microimplants	Essential concepts of biomedical implants at the micro scale. Design, fabrication, and applications of several microimplantable devices including cochlear, retinal, neural, and muscular implants.		x	design, safety, human health, wellness, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Biomedical Engineering	Undergraduate	BME 135	Photomedicine	Studies the use of optical and engineering-based systems (laser-based) for diagnosis, treating diseases, manipulation of cells and cell function. Physical, optical, and electro-optical principles are explored regarding molecular, cellular, organ, and organism applications.		x	disease, human health, health
Engineering	Biomedical Engineering	Undergraduate	BME 160	Tissue Engineering	Quantitative analysis of cell and tissue functions. Emerging developments in stem cell technology, biodegradable scaffolds, growth factors, and others important in developing clinical products. Applications of bioengineering.		x	development, bodily health, regenerative capacity, regeneration, health, human health
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 150A	Chemical Engineering Design I	Introduction to process design; flow sheets for chemical processes; synthesis of multicomponent separation sequences and reaction paths; synthesis of heat exchange networks; computer-aided design and simulation of processes and components plants. The chemical engineering senior design course concludes with a capstone project. This year the students are designing a 17,000 barrel per day renewable diesel plant (from vegetable oils) which produces a carbon neutral, sustainable fuel.		x	renewable energy, fuel, sustainable, carbon neutrality, emissions
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 150B	Chemical Engineering Design II	Application of chemical engineering basics to practical design problems; process economics; process safety; environmental impacts; a major team design project with progress reports, oral presentation, and technical report with engineering drawings and economics. The chemical engineering senior design course concludes with a capstone project. This year the students are designing a 17,000 barrel per day renewable diesel plant (from vegetable oils) which produces a carbon neutral, sustainable fuel.		x	renewable energy, fuel, sustainable, carbon neutrality, emissions, safety, economic, environmental, environmental engineering
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 140A	Chemical Engineering Laboratory I	Experimental study of thermodynamics, fluid mechanics, and heat and mass transfer. Operation and evaluation of process equipment, data analysis. The following considerations are included in this course: economic, environmental, ethical, health and safety, manufacturability.		x	environment, economic, safety, health, ethics, manufacturing

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 145	Chemical Process Control	Dynamic responses and control of chemical process equipment, dynamic modeling of chemical processes, linear system analysis, analyses and design of feedback loops and advanced control systems. The following considerations are included in this course: economic, environmental.		x	economic, environmental
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 40A	Chemical Processes and Material Balances	Introduction to chemical engineering and the industries where chemical engineers play vital roles. Problem-solving skills and techniques. Quantitative calculations and applications using mass and energy balances. Stoichiometric equations, multiple bypasses, and others in process industries. Lecture topics include: recycle, combustion processes, and basic process synthesis based on economic, environmental, and safety considerations.		x	recycle, combustion, economic, environmental, safety, energy
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 161	Introduction to Biochemical Engineering	Application of engineering principles to biochemical processes. Topics include microbial pathways, energetics and control systems, enzyme and microbial kinetics, and the design and analysis of biological reactors. The following considerations are included in this course: economic, environmental, ethical, health and safety, manufacturability.		x	economic, environmental, ethical, health, safety, manufacturing, efficiency, energy
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 120A	Momentum Transfer	Fluid statics, surface tension, Newton's law of viscosity, non-Newtonian and complex flows, momentum equations, laminar and turbulent flow, velocity profiles, flow in pipes and around objects, piping systems design, pumps and mixing, and other applications to chemical and related industries. One of the learning outcomes is the following: Students will demonstrate the professional and ethical consequences of system design choices based on fluid flow principles, and understand the impact of engineering solutions from a global and societal standpoint.		x	ethical, global, society

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 176	Nuclear and Radiochemistry	Advanced treatment of nuclear structure, nuclear reactions, and radioactive-decay processes. Introduction to nuclear activation analysis, isotope effects, radiation chemistry, hot-atom chemistry, nuclear age-dating methods, nuclear reactors, and nuclear power. The students learn about nuclear energy as energy source with a negligible greenhouse gas footprint and the nuclear fuel cycle from uranium mining to nuclear waste management is covered in this class. I invite a colleague for a guest lecture on "Zero-Carbon Power."		x	nuclear power, radioactive, greenhouse gas, emissions, clean energy, carbon neutrality, power, alternative energy
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 40B	Process Thermodynamics	Principles of thermodynamics: definitions, basic concepts, and laws; property relationships; construction of thermodynamic charts and tables; energy balances; phase and chemical equilibria; combined mass and energy balances. Lecture topics include: efficiency of engines and the ethical and professional responsibility in engineering design. A learning outcome is that students will demonstrate the professional and ethical consequences of systems design choices based on thermodynamic principles, and understand the impact of engineering solutions from both global and societal standpoints.		x	energy, society, global, ethical, efficiency, responsibility, design
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 110	Reaction Kinetics and Reactor Design	Introduction to quantitative analysis of chemical reactions and chemical reactor design. Reactor operations including batch, continuous stirred tank, and tubular reactor. Homogeneous and heterogeneous reactions. Students learn non-ideal reactors/residence time considerations, safety and risk aspects, and selectivity and optimization.		x	safety, efficiency, catalysis, green laboratory, reactor
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 187	Semiconductor Device Packaging	Introduction to the semiconductor device packaging and assembly process. Electrical, thermal, optical, and mechanical aspects of package design and reliability. Special topics on optoelectronics packaging are covered. Students will understand microelectronics and photonics components manufacturing process, their professional and ethical responsibility, and the impact of engineering solution in a global and societal context.		x	society, global, ethical, responsibility

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Chemical and Biomolecular Engineering	Undergraduate	CBE 130	Separation Processes	Application of equilibria and mass and energy balances for design of separation processes. Use of equilibrium laws for design of distillation, absorption, stripping, and extraction equipment. Design of multicomponent separators. The following considerations are included in this course: economic, environmental, health and safety, manufacturability.		x	environment, economic, safety, health, energy, manufacturing
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 164	Carbon and Energy Footprint Analysis	Process design for wastewater treatment. Mass- and energy-balance analysis applied to water and wastewater treatment systems. Case studies include analysis of water supply, treatment, reclamation, and reuse.	x		wastewater, energy, water, water quality, untreated wastewater, water pollution, water supply, reuse, recycle, carbon, footprint, carbon footprint
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 60	Contemporary and Emerging Environmental Challenges	Introduces contemporary and emerging environmental challenges, illustrates links between human behavior, environmental policy, and engineering practices, examines policy options in the context of current institutions, and introduces tools and frameworks to reach sound economic, social, and environmental solutions.	x		environment, public policy, environmental policy, economic, social, environmental engineering, behavioral change, respect for nature, society, nature
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 160	Environmental Processes	Introduction to environmental processes in air and water, mass balances, and transport phenomena. Fundamentals of water-quality engineering including water and wastewater treatment. The course focuses on managing water quality through engineered technologies. Environmental pollution and energy efficient technologies are also important portions of the class.	x		water quality, water, pollution, energy efficiency, energy, environment, water pollution, water resources, waste treatment, untreated wastewater, air, air pollution
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 178	Fluid Mechanics of Open Channels	Fundamentals of fluid motion in open channels. Navier-Stokes equations and one-dimensional momentum and energy principles. Topics include rapidly varied flow, flow resistance and turbulence, gradually varied flow, unsteady flow, and computational methods for channel flow modeling.		x	water, energy, infrastructure, flooding, environmental engineering, environment
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 156	Foundation Design	Applications of soil mechanics principles to the analysis and design of shallow foundations, retaining walls, pile foundations, and braced cuts. Design criteria: bearing capacity, working loads and tolerable settlements, structural integrity of the foundation element. Damage from construction operations.		x	infrastructure, soil, soil quality, design, emergency preparedness, building, design, resilience, safety

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 40	Fundamentals of Economic Analysis for Scientists and Engineers	Introduction to microeconomics and cost benefit analysis. Integration of economic, social, and behavioral considerations into the engineering design process. Applications to contemporary problems via case studies.		x	environmental engineering, economic, social, society, economic analysis
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 114	GIS for Civil and Environmental Engineering	GIS for CEE provides an introduction to Geographic Information Systems (GIS) and their various applications in civil and environmental engineering. Topics include GIS data formats, data queries, spatial and attribute data, spatial data analysis, coordinate systems, and raster data analysis.	x		geography, environmental engineering, environmental
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 172	Groundwater Hydrology	Topics include conservation of fluid mass, storage properties of porous media, matrix compressibility, boundary conditions, flow nets, well hydraulics, groundwater chemistry, and solute transport. Design projects and computer applications included.		x	groundwater, water, conservation, water resources
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 176	Hydrology	Elements of the hydrologic cycle including precipitation, infiltration, evapotranspiration, ground water, and runoff. Unit Hydrograph theory and routing methods. Introduction to precipitation/runoff relationship and watershed modeling. Statistical methods and flood frequency analysis.		x	hydrologic cycle, precipitation, groundwater, flood, flooding, water
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 149	Introduction to Earthquake Engineering	Plate tectonics. Structural dynamics. Earthquake magnitude, intensity, and frequency. Seismic damage to structures. Earthquake load prediction including response spectra, normal mode, and direct integration techniques. The basis of building code earthquake load requirements for buildings.		x	infrastructure, safe, safety, natural, disaster, emergency preparedness, resiliency, design
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 162	Introduction to Environmental Chemistry	Basic concepts from general, physical, and analytical chemistry as they relate to environmental engineering. Particular emphasis on the fundamentals of equilibrium and kinetics as they apply to acid-base chemistry, gas solubility, and redox reactions. Laboratory sessions. Lectures include: environmental forensic chemistry and disinfection and chlorine chemistry; environmental analytical chemistry.	x		environmental engineering, environment, green chemistry

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 110	Methods III: Modeling, Economics, and Management	Analysis, modeling, and management of civil engineering systems. Statistics and system performance studies, probabilistic models and simulation, basic economics and capital investments, project elements and organization, managerial concepts and network technique, project scheduling. Emphasis on real-world examples. Laboratory sessions.		x	economics, resources, resource efficiency, environmental engineering, society
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 165	Physical-Chemical Treatment Processes	Theory and dynamics of physical and chemical separation processes in water and wastewater treatment. Topics include coagulation, sedimentation, filtration, gas-transfer, membrane separations, and adsorption.		x	water, wastewater, untreated wastewater, pollution, reuse
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 151C	Reinforced Concrete Design	Ultimate strength design. Design of reinforced concrete beam sections. Design for shear and deflection. Design of columns. Design of isolated and combined footings. Laboratory sessions.		x	infrastructure, building, design, emergency preparedness, resilience, safety
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 130	Soil Mechanics	Mechanics of soils, composition and classification of soils, compaction, compressibility and consolidation, shear strength, seepage, bearing capacity, lateral earth pressure, retaining walls, piles.		x	soil, environmental engineering, environment, soil quality
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 151A	Structural Analysis	Fundamentals of structural analysis and loading. Deformation of statically determinate and indeterminate structures. Influence lines. Structural systems.		x	infrastructure, emergency preparedness, resilience, disaster, building
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 155	Structural Steel Design	Design in steel of tension members, beams, columns, welded and bolted connections; eccentrically loaded and moment resistant joints; plate girders. Plastic design; load and resistance factor design. Composite construction; introduction to computer-aided design.		x	infrastructure, building, design, emergency preparedness, resilience, safety
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 151B	Structural Timber Design	Design of timber structures. Beams, columns, beam-columns, roof, and connections.		x	emergency preparedness, infrastructure, building, design, resilience, safety
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 125	Transportation and the Environment	Analysis of the impacts of motor vehicle transportation on the environment. Introduction to life cycle analysis applied to transportation. Basic economic tools for transportation externalities. Transportation planning, urban form, health, and the environment. Transportation sustainability.	x		sustainability, urban, transportation, health, road traffic, transit, environment

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 121	Transportation Systems I: Analysis and Design	Introduction to analysis and design of fundamental transportation system components, basic elements of geometric and pavement design, vehicle flow and elementary traffic, basic foundations of transportation planning and forecasting. Laboratory sessions.		x	transportation, road traffic, planning, design
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 122	Transportation Systems II: Operations and Control	Introduction to fundamentals of urban traffic engineering, including data collection, analysis, and design. Traffic engineering studies, traffic flow theory, traffic control devices, traffic signals, capacity and level of service analysis of freeways and urban streets. Laboratory sessions.		x	urban, road traffic, transportation, design
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 123	Transportation Systems III: Planning and Forecasting	Theoretical foundations of transportation planning, design, and analysis methods. Theory and application of aggregate and disaggregate models for land use development, trip generation, destination, mode, and route choice. Transportation network analysis. Planning, design, and evaluation of system alternatives. Student teams apply travel forecasting and network design to identify and address problems for a hypothetical seaside community.		x	planning, road traffic, transportation, community, human health, development, design
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 124	Transportation Systems IV: Freeway Operations and Control	Fundamentals of traffic on urban freeways, including data collection analysis, and design. Traffic engineering studies, traffic flow theory, freeway traffic control devices, capacity, and level of service analysis of freeways and highways. Laboratory sessions.		x	road traffic, urban, transportation, design
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 163	Wastewater Treatment Process Design	Design of biological treatment processes. Topics include attached and suspended growth, aeration, anaerobic systems, process control, and economics. Design projects included.	x		wastewater, economics, water, water quality, untreated wastewater, water pollution
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 171	Water Resources Engineering	Principles governing the analysis and design of water resource systems including pressurized pipelines, pipe networks, channels, and ground water. Coverage of fluid mass, momentum and energy conservation, flow resistance, and related laboratory measurements in different systems.		x	water resource, energy, conservation, groundwater, water, infrastructure

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Undergraduate	CEE 173	Watershed Modeling	Basic principles of hydrologic modeling are practiced. Concepts of watershed delineation, land use change impact, design studies, and GIS tools are discussed. Focus on the USACE (HEC) software tools (HEC-HMS, and HEC-RAS) along with their associated GIS interfaces.		x	land use, water, water resources, hydrologic cycle
Engineering	Electrical Engineering and Computer Science	Undergraduate	ENGR 92	Engineering and Computer Educational Laboratory	Comprehensive academic support designed primarily for underrepresented or underprepared students in Engineering, ICS, or selected areas of the physical sciences. Typical program activities: tutoring, study skills, career planning, self-esteem enhancement, library research techniques.		x	minorities, wellness, well-being, equity, equal opportunity
Engineering	Electrical Engineering and Computer Science	Undergraduate	EECS 166A	Industrial and Power Electronics	Power switching devices, pulse width modulation (PWM) methods, switching converter topologies, control, and magnetics. Learning outcomes include designing a system component or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.		x	economic, environmental, social, sustainability, manufacturing, safety, health, ethics
Engineering	Electrical Engineering and Computer Science	Undergraduate	EECS 163	Power Systems	Generation, transmission, and use of electrical energy. Fault calculation, protection, stability, and power flow.		x	electric, energy, clean energy, energy efficiency
Engineering	Materials Science and Engineering	Undergraduate	MSE 158	Ceramic Materials for Sustainable Energy	A technical elective for students interested in materials. Topics covered include structure and properties of ceramic materials, and design for sustainable energy applications.	x		sustainable, energy, sustainability, alternative energy
Engineering	Materials Science and Engineering	Undergraduate	MSE 175	Design Failure Investigation	Survey of mechanisms by which devices fail, including overload, fatigue, corrosion, and wear. Use of fractography and other evidence to interpret failure modes and specify design/manufacturing changes. Students redesign failed parts or structures based on actual parts and/or case histories.		x	disaster, emergency preparedness, resilience, safety
Engineering	Materials Science and Engineering	Undergraduate	MSE 190	Materials Selection and Design	Meaning and phases of design; design considerations; properties of engineering materials; materials property charts; materials selection; process selection; multi-constraint and multi-objective design. Selection of shape in mechanical components. Designing with hybrid materials: challenges and opportunities. Environmental considerations; case studies.		x	design, environmental, environment, development, green materials, nanomaterials

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Materials Science and Engineering	Undergraduate	MSE 155	Mechanical Behavior and Design Principles	Principles governing structure and mechanical behavior of materials, relationship relating microstructure and mechanical response with application to elasticity, plasticity, yielding, necking, creep, and fracture of materials. Introduction to experimental techniques to characterize the properties of materials. Design parameters. Learning outcomes include understanding the professional and ethical responsibility related to the selection of a material whose mechanical properties would meet certain design requirements.		x	nanomaterials, resilience, ethics, responsibility, design
Engineering	Materials Science and Engineering	Undergraduate	MSE 141	Nano-Scale Materials and Applications	Overview of the chemistry, physics, and applications of nanometer-scale materials. Explore the effects of composition, bonding, and confinement on physical properties of nanomaterials, their chemical syntheses, and their device physics in electronic, optoelectronic, and energy technologies.		x	energy, electric, clean energy, design, energy efficiency, nanomaterials
Engineering	Materials Science and Engineering	Undergraduate	ENGR 54	Principles of Materials Science and Engineering	Superconductors to biodegradable polymers. Structure and properties of materials, including metal, ceramics, polymers, semiconductors, composites, traditional materials. Atomic structure, bonding, defects, phase equilibria, mechanical properties, electrical, optical and magnetic properties. Introduction to materials processing and synthesis.		x	bacteria, green materials, design
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 159	Aircraft Design	Preliminary design of subsonic general aviation and transport aircraft with emphasis on layout, aerodynamic design, propulsion, and performance. Estimation of total weight and weight distribution, design of wings, fuselage, and tail, selection and location of engines, prediction of overall performance. Learning outcomes include understanding some basic operation of the aircraft manufacturing industry and airplane industry, as well as some problems and ethical concern of both.		x	ethical, design, travel, manufacturing, transportation, efficiency

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 158	Aircraft Performance	Flight theory applied to subsonic propeller and jet aircraft. Nature of aerodynamic forces, drag and lift of wing and fuselage, high-lift devices, level-flight performance, climb and glide performance, range, endurance, take-off and landing distances, static and dynamic stability and control. Learning outcomes include understanding some basic operation of the aircraft manufacturing industry and airline industry; as well as some problems and ethical concern of both.		x	travel, transportation, ethical, design, manufacturing, efficiency
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 115	Applied Engineering Thermodynamics	Application of thermodynamic principles to compressible and incompressible processes representative of practical engineering problems; power cycles, refrigeration cycles, multicomponent mixtures, air conditioning systems, combustion, and compressible flow. Design of a thermodynamic process. Learning outcomes include understanding the role of both air conditioning (in the consumption of power) and combustion (in the generation of power), with regard to the environmental impact, and the economic and societal well-being of the international population and the ramifications of power generation on current societal issues.	x		power, combustion, environmental, chlorofluorocarbons, economic, well-being, society, international, energy
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 110	Combustion and Fuel Cell Systems	Fundamentals of gaseous, liquid, and coal-fired combustion and fuel cell systems. Fuels, fuel-air mixing, aerodynamics, and combustion and fuel cell thermodynamics. Operating and design aspects of practical systems including engines, power generators, boilers, furnaces, and incinerators. Course focuses on how to minimize impacts of power generation on environment.	x		combustion, fuel cell, fuel, power, energy, environment, emissions, gas, greenhouse gas, coal, clean energy
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 113	Electric Propulsion	Space propulsion requirements and maneuvers, stressing those best suited to electric propulsion. An introduction to plasma physics. Electrothermal, electromagnetic, and electrostatic accelerators, with emphasis in technologies (ion engines, Hall thrusters, and colloidal thrusters) belonging to the latter family.		x	electric, power, energy, clean energy, alternative energy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 188	Engineering Design in Industry	Principles of engineering design in the context of an industrial application. Local manufacturing firms define an engineering design project to be completed in 10 weeks. Projects include initial brainstorming to final design, with a formal presentation. The interaction between industry and the university bring issues of professional and ethical responsibilities into focus and demonstrate a relation between engineering and the larger society.		x	manufacturing, design, development, ethical, society
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 107	Fluid Thermal Science Laboratory	Fluid and thermal engineering laboratory. Experimental analysis of fluid flow, heat transfer, and thermodynamic systems. Probability, statistics, and uncertainty analysis. Students apply thermal fluid theories to analyze the functions of major components (such as boilers, chillers, heat exchangers, cooling towers and the TES (thermal energy storage) system) and how these components are connected in the central plant. Students perform analysis and calculation on the central plant efficiency at UCI based on on-site measurement.		x	water, infrastructure, efficiency, energy efficiency, building, economic analysis, efficiency, energy
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 114	Fuel Cell Fundamentals and Technology	Introduction to electrochemistry and electrocatalysis; nature of fuel-cell electrodes and electrolytes; charge transfer reactions at interfaces; charge transport and mass transport processes; fuel processing reactions; determination of fuel cell efficiency, fuel flexibility, emissions, and other characteristics.		x	electric, catalysis, fuel, fuel cell, emissions, energy efficiency, energy, efficiency
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 91	Introduction to Thermodynamics	Thermodynamic principles; open and closed systems representative of engineering problems. First and second law of thermodynamics with applications to engineering systems and design (power generating systems for electricity, production (power stations), jet engines and reciprocating engines, in addition to refrigeration systems).		x	transportation, travel, power, electric, energy, efficiency

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 156	Mechanical Behavior and Design Principles	Principles governing structure and mechanical behavior of materials, relationship relating microstructure and mechanical response with application to elasticity, plasticity, yielding, necking, creep, and fracture of materials. Introduction to experimental techniques to characterize the properties of materials. Design parameters. Learning outcomes include understanding the professional and ethical responsibility related to the selection of a material whose mechanical properties would meet certain design requirements.		x	nanomaterials, resilience, ethics, responsibility, design
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 151	Mechanical Engineering Design	A comprehensive group design project experience that involves identifying customer needs, idea generation, reverse engineering, preliminary design, standards, prototype development, testing, analysis, and redesign of a product involving fluid, thermal, and mechanical components. Introduces design for manufacturing and the environment.		x	environment, environmental engineering, design
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 150	Mechanics of Structures	Stresses and strains. Torsion. Bending. Beam deflection. Shear force and moment distributions in beams. Yielding and buckling of columns. Combined loading. Transformation of stresses and strain. Yielding criteria. Finite elements analysis of frames. Dynamic of two-bar truss.		x	infrastructure, emergency preparedness, disaster, environmental hazards, resilience
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 112	Propulsion	Application of thermodynamics and fluid mechanics to basic flow processes and cycle performance in chemical propulsion systems: gas turbines, ramjets, scramjets, and rockets. Introduction to electric and electromagnetic rocket thrusters, nuclear rockets, and solar sails.		x	nuclear power, solar, gas, energy, power, electric, renewable energy
Engineering	Mechanical and Aerospace Engineering	Undergraduate	MAE 118	Sustainable Energy Systems	Basic principles, design, and operation of sustainable energy systems including wind, solar photo-voltaic and thermal, hydroelectric, geothermal, oceanic, biomass combustion, advanced coal, and next generation nuclear. Includes power generation, storage, and transmission for stationary power generation.	x		sustainable, energy, wind, solar, photovoltaic, ocean, nuclear power, coal, combustion, alternative energy, wind energy, solar energy, hydropower, water
Engineering	School of Engineering Core	Undergraduate	ENGR 190W	Communications in the Professional World	Upper-division technical writing course including the development of presentation skills. Effective communication with a range of audiences. Recognition of ethical and professional responsibilities for engineers.		x	ethics, responsibility

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	School of Engineering Core	Undergraduate	ENGR 180	Entrepreneurship for Scientists and Engineers	Learn the theory and practice of entrepreneurship and intrapreneurship. Covers positioning an idea, establishing the value propositions and benefits case, going to market strategy, creating an execution plan, and raising funds. Concepts are applied to a real-world venture project.		x	development, planning
Engineering	School of Engineering Core	Undergraduate	ENGR 7A	Introduction to Engineering I	Introduction to engineering disciplines and the design process. Students enrolled in the online lecture also attend a three-hour lab on campus. Students build Lab-on-a-Chip concentration detectors.		x	implications for: developing countries, disease, least developed countries, human health
Engineering	School of Engineering Core	Undergraduate	ENGR 7B	Introduction to Engineering II	Introduction to engineering disciplines and the design process. Students enrolled in the online lecture also attend a three-hour lab on campus. One week covers sustainability topics.		x	sustainability, sustainable, design
<b>Total Engineering</b>						<b>11</b>	<b>68</b>	
Humanities	African American Studies	Undergraduate	AFAM 152	African American Politics	Examines politics of African Americans in order to gain a broader perspective of the American political process. Major developments in African American politics (including the civil rights movement, Black presidential bids), continuing problem of racism, responsiveness of key governing institutions.		x	civil rights, forced labor, slavery, discrimination, migration, minorities, responsive decision-making, governance, effective governance, inequality, disparities, equality, equity
Humanities	African American Studies	Undergraduate	AFAM 40A	African American Studies I	Discusses main contours of African American experience from the forced importation of Africans into the Americas in the late fifteenth century to the development of social movements in post-emancipation societies of the late nineteenth and twentieth centuries.		x	social change, migration, slavery, forced labor, discrimination, minorities, equity, equality
Humanities	African American Studies	Undergraduate	AFAM 40B	African American Studies II	Introduction to the history of modern racial thinking in Western society and its relationship to the material contexts of racial oppression, with emphasis on its development in British colonies and U.S.		x	minorities, equality, equity, discrimination
Humanities	African American Studies	Undergraduate	AFAM 40C	African American Studies III	Introduction to theories of racial blackness in the modern world, with emphasis on developments in British colonies and U.S. Traces emergence of blackness as term of collective identity, social organization, and political mobilization.		x	solidarity, social, development, social change, equality, minorities, equity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	African American Studies	Undergraduate	AFAM 134B	Caribbean History: Emancipation to Independence	Post-emancipation and anti-colonial struggles ending with political independence for most of the region. Examines social, political, economic, cultural dimensions of post-emancipation period, including large-scale migration to Central America, the U.S., and Britain; the region's global cultural and political contribution.		x	social, economic, culture, global, slavery, forced labor, migration, equality, labor standards
Humanities	African American Studies	Undergraduate	AFAM 111B	Contemporary African American Art	Investigates the history of contemporary African American art; emphasis on the politics of representation. Explores art in a variety of media: painting, sculpture, photography, installation, and new media. Cultural politics, appropriation, identity, gender, sexuality, hybridity and civil rights issues discussed.		x	civil rights, minorities, culture, gender-sensitive
Humanities	African American Studies	Undergraduate	AFAM 157	Critical Race Theory	Introduction to Critical Race Theory and key American cases on racial inequality. Using this literature, examines the possibilities and pitfalls of legal claims of race, gender, and sexuality discrimination in the age of colorblindness.		x	inequality, discrimination, gender-sensitive, gender disparities, gender inequality, equity
Humanities	African American Studies	Undergraduate	AFAM 137	History of the African Diaspora	Examines the causes and consequences of the multiple diasporas of African peoples since the sixteenth century in the Atlantic world, especially the Americas and Europe.		x	migration, slavery, forced labor, migrants, migrant workers, minorities, discrimination, voting rights, rights, human rights, basic rights, decent work
Humanities	African American Studies	Undergraduate	AFAM 159	Prisons and Public Education	Looks at the connections between schools and prisons in the United States. Students learn about ideas that push beyond common trope of the "school to prison pipeline."		x	education, quality education, justice, discrimination, poverty
Humanities	African American Studies	Undergraduate	AFAM 162W	The Black Protest Tradition	History and discourses of the black protest tradition. Traces emergence of black protest against racial slavery and white supremacy from the early colonial period to present and the complex elaboration of identity politics within black communities in the twentieth century.		x	slavery, forced labor, discrimination, minorities, equity, equality
Humanities	Art History	Undergraduate	AHIS 40B	Arts of Europe: Medieval and Renaissance	Focuses on the art of the Mediterranean area and Europe between ca. A.D. 350 and 1600. By means of movements and artists, examines the cultural identities of the Christian, Islamic, and Early Modern worlds.		x	cultural, cultural diversity, cultural heritage, diversity, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Art History	Undergraduate	AHIS 164B	Contemporary African American Art	Investigates the history of contemporary African American art; emphasis on the politics of representation. Explores art in a variety of media: painting, sculpture, photography, installation, and new media. Cultural politics, appropriation, identity, gender, sexuality, hybridity and civil rights issues discussed.		x	civil rights, minorities, culture, gender-sensitive
Humanities	Art History	Undergraduate	AHIS 162C	Contemporary Japan	Study of various media of Japanese art from the time of war defeat in 1945 until the present. Topics include artists' responses to the nuclear bomb, the aesthetics of the "economic miracle," avant-garde groups, manga, and innovations in architecture.		x	nuclear power, weapons of mass destruction, peace, culture, cultural diversity, international, economic
Humanities	Art History	Undergraduate	AHIS 155B	Medieval India	Begins with the Gupta period's aesthetic legacies in South Asia's architecture, sculpture, and painting. Explores the dispersal of Islam throughout South Asia, including the Muslim communities of southern India.		x	communities, international, global, moral and spiritual education, cultural diversity, culture, cultural heritage
Humanities	Art History	Undergraduate	AHIS 134C	Modern European Art: From Impressionism to the Fauves	History of European painting and urban transformation from 1851 to 1907, when Paris stood strong as the unquestioned cultural capital of the nineteenth century.		x	urban, public space, culture, urbanization, international
Humanities	Asian American Studies	Undergraduate	ASAM 52	Asian American Communities	Examines the renewal of Asian immigration following World War II. Explores contemporary Asian American populations and communities in the U.S., and the impact of contemporary Asian immigration on the U.S. political economy and social order.		x	migration, minorities, economy, social, population, international, discrimination
Humanities	Asian American Studies	Undergraduate	ASAM 50	Asian American Histories	Examines and compares diverse experiences of major Asian American groups since the mid-nineteenth century. Topics include origins of emigration; the formation and transformation of community; gender and family life; changing roles of Asian Americans in American society. Formerly ASIANAM 60A.		x	community, gender-sensitive, cultural heritage, culture migration, minorities, diversity, cultural diversity, society
Humanities	Asian American Studies	Undergraduate	ASAM 137	Asian American Labor	Explores history of Asian Americans and work from the nineteenth century to the present. Areas of study include migration, colonialism, family, social organization, and work culture.		x	migration, social, migrant workers, culture, minorities

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Humanities	Asian American Studies	Undergraduate	ASAM 54	Asian American Stories	Examines stories from Asian American communities through literary texts and other media. Selected themes may include the following: dislocation/relocation, finding/inventing a usable past, poetics/politics in language, identities/ethnicities.		x	community, minorities, migrants, migration, discrimination, cultural diversity, cultural heritage, culture
Humanities	Asian American Studies	Undergraduate	ASAM 162	Asian American Women	Examines the representations and experiences of Asian American women from diverse perspectives. Explores the commonalities and differences among various groups of Asian American women, with particular focus on history, culture, values, and family roles.		x	diversity, cultural diversity, culture, cultural heritage, gender-sensitive, gender disparities, discrimination, gender equality, minorities
Humanities	Asian American Studies	Undergraduate	ASAM 53	Asian Americans and Race	Analyzes the Asian American experience in comparative perspective, which includes comparisons of different ethnic and racial groups, and across gender and class. Possible topics include labor, economy, politics, migration, nation, popular culture, gender, family, sexuality, and multiraciality.		x	gender-sensitive, culture, migration, economy, labor standards, minorities, discrimination
Humanities	Asian American Studies	Undergraduate	ASAM 55	Asian Americans and the Media	Investigates popular representations of and cultural productions by Asian Pacific Americans and Asians in the Americas from the late-nineteenth century to the present. Cultural media may include political cartoons, film/television, popular music, visual art, blogs/Web sites, and performance.		x	cultural heritage, culture, minorities, discrimination
Humanities	Asian American Studies	Undergraduate	ASAM 151C	Korean American Studies	Explores the factors that have distinctly shaped the Korean American experience, including patterns of racial domination, the profile of immigrant flow, immigrant roles in the urban political economy, politics in Korea, and the role of the church.		x	migration, urban, economy, moral and spiritual education, minorities, culture, discrimination
Humanities	Asian American Studies	Undergraduate	ASAM 168	Politics of Animal Rights	Examines animal rights/welfare movement's efforts to transform moral, practical, and legal standing of nonhuman animals in contemporary U.S. Explores intersection of racism, sexism, and speciesism informed by theories of race and ethnicity, including Asian American Studies.		x	cruelty to animals, rights, moral and spiritual education, discrimination, diversity, cultural diversity, law and regulation, equal rights, policy
Humanities	Asian American Studies	Undergraduate	ASAM 166	Race and Citizenship	Explores historical and contemporary patterns of racialization in relation to citizenship. Topics may include racial categorization, immigration, and comparative racialization.		x	migration, discrimination, migrants, culture of tolerance, culture

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Asian American Studies	Undergraduate	ASAM 100W	Research Methodologies for Asian American Studies	Explores various research methodologies for Asian American Studies combining theoretical knowledge with field research. Goals: conduct field research about immigrants and refugees from Asia. Topics vary: migration and labor, assimilation and cultural preservation, cultural expressions in the diaspora.		x	migration, minorities, migrant workers, migrants, culture, cultural heritage, preservation
Humanities	Asian American Studies	Undergraduate	ASAM 144	The Politics of Protest	Examines the Civil Rights, Black Power, and women's movements in relationship to the Asian American movement. Uses social movement theories to illuminate the cases, and the cases to critique and revise the theories.		x	civil rights, human rights, basic rights, rights, discrimination, gender disparities, gender inequality, gender-sensitive, diversity, culture, social, cultural diversity, minorities
Humanities	Classics	Undergraduate	CLAS 45C	Classical Mythology: Ancient and Modern Perspectives of Classical Mythology	Detailed examination of key Greek and Roman myths, their interpretations, and the influence they have exerted on literature, art, and popular culture in subsequent periods.		x	culture, cultural diversity, moral and spiritual education, international
Humanities	Classics	Undergraduate	CLAS 37A	The Formation of Ancient Roman Society: Origins to Roman Republic	A survey of the development of Roman civilization from its eighth century BCE beginnings to the civil wars of the first century BCE. Examines political and social history, as well as literature, art, architecture, and religion.		x	civilization, cultural heritage, cultural diversity, international, global, social, law and regulation, moral and spiritual education
Humanities	Comparative Literature	Undergraduate	CMLT 60C	Cultural Studies	Introduces students to a variety of cultural practices (literature, blogs, films, radio, comics) from across the globe. Focuses on the ways that context, genre, and medium (e.g., written, visual, oral) affect how these practices are produced, circulated, and received.		x	culture, cultural diversity, global, international, diversity, inclusive, culture of tolerance, non-discrimination
Humanities	Comparative Literature	Undergraduate	CMLT 60B	Reading with Theory	Introduction to theory and methods of literary and cultural criticism in a global context. Students read theoretical approaches to literature, culture, and ideas. Marx and Freud, e.g., may be studied alongside readings in narrative poetry, film, song lyrics, novel.		x	culture, global, international, cultural heritage, cultural diversity, diversity, cultural significance

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Comparative Literature	Undergraduate	HUM H84	Traveling East/West	Traveling East/West presents a wide range of travel writings by Chinese, Indian, and Euro-American authors in which they contemplate the complexities of cross-cultural encounters and how knowledge about others and knowledge of ourselves are closely intertwined.		x	international, global, culture, cultural diversity, cultural heritage
Humanities	Comparative Literature	Undergraduate	CMLT 60A	World Literature	An introduction to the comparative study of literatures and cultures in a global context. Studies literary texts and other media across the borders of various cultures, historical periods, and traditions. All texts are read in English translation.		x	culture, global, international, cultural heritage, cultural diversity, diversity, cultural significance
Humanities	East Asian Studies	Undergraduate	JPAN 1A	Fundamental Japanese	Students develop listening, speaking, reading, and writing abilities in Japanese for meaningful communication. Content deals with daily life, society, and culture in Japan. Approximately 180 kanji (Chinese characters) are introduced in addition to the hiragana and katakana orthography.		x	society, cultural heritage, culture, diversity, international
Humanities	East Asian Studies	Undergraduate	JPAN 1B	Fundamental Japanese	Students develop listening, speaking, reading, and writing abilities in Japanese for meaningful communication. Content deals with daily life, society, and culture in Japan. Approximately 180 kanji (Chinese characters) are introduced in addition to the hiragana and katakana orthography.		x	society, cultural heritage, culture, diversity, international
Humanities	East Asian Studies	Undergraduate	JPAN 1C	Fundamental Japanese	Students develop listening, speaking, reading, and writing abilities in Japanese for meaningful communication. Content deals with daily life, society, and culture in Japan. Approximately 180 kanji (Chinese characters) are introduced in addition to the hiragana and katakana orthography.		x	society, cultural heritage, culture, diversity, international
Humanities	East Asian Studies	Undergraduate	JPAN 2A	Intermediate Japanese	Japanese listening, speaking, reading, and writing abilities developed for meaningful communication. Content deals with daily life, society, and culture, including social issues in Japan. Approximately 180 kanji (Chinese characters) are introduced in addition to the 180 characters learned in 1A-B-C.		x	society, cultural heritage, culture, diversity, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	East Asian Studies	Undergraduate	JPAN 2B	Intermediate Japanese	Japanese listening, speaking, reading, and writing abilities developed for meaningful communication. Content deals with daily life, society, and culture, including social issues in Japan. Approximately 180 kanji (Chinese characters) are introduced in addition to the 180 characters learned in 1A-B-C.		x	society, cultural heritage, culture, diversity, international
Humanities	East Asian Studies	Undergraduate	JPAN 2C	Intermediate Japanese	Japanese listening, speaking, reading, and writing abilities developed for meaningful communication. Content deals with daily life, society, and culture, including social issues in Japan. Approximately 180 kanji (Chinese characters) are introduced in addition to the 180 characters learned in 1A-B-C.		x	society, cultural heritage, culture, diversity, international
Humanities	East Asian Studies	Undergraduate	CHNS 2A	Intermediate Mandarin Chinese	Both authentic and pedagogically-prepared materials are used to further develop students' ability to communicate in culturally, socially, and linguistically appropriate manners. Taught in Chinese using Pinyin romanization system and both traditional and simplified forms of Chinese.		x	cultural diversity, social, international, minorities, culture of tolerance
Humanities	East Asian Studies	Undergraduate	CHNS 2B	Intermediate Mandarin Chinese	Both authentic and pedagogically-prepared materials are used to further develop students' ability to communicate in culturally, socially, and linguistically appropriate manners. Taught in Chinese using Pinyin romanization system and both traditional and simplified forms of Chinese.		x	cultural diversity, social, international, minorities, culture of tolerance
Humanities	East Asian Studies	Undergraduate	CHNS 2C	Intermediate Mandarin Chinese	Both authentic and pedagogically-prepared materials are used to further develop students' ability to communicate in culturally, socially, and linguistically appropriate manners. Taught in Chinese using Pinyin romanization system and both traditional and simplified forms of Chinese.		x	cultural diversity, social, international, minorities, culture of tolerance
Humanities	East Asian Studies	Undergraduate	EAS H84	Traveling East/West	Traveling East/West presents a wide range of travel writings by Chinese, Indian, and Euro-American authors in which they contemplate the complexities of cross-cultural encounters and how knowledge about others and knowledge of ourselves are closely intertwined.		x	international, global, culture, cultural diversity, cultural heritage

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Education	Undergraduate	EDUC 179W	Advanced Writing for Education Sciences	Writing for multiple audiences and purposes about central concepts in education sciences, such as schools as organizations; social structures in education and stratification; individual decision making, government regulation and markets; human development and learning.		x	development, education, social, law and regulation, governance
Humanities	English	Undergraduate	ENGL 8	Multicultural American Literature	Writings from at least two historically underrepresented groups in California and the United States with particular attention to historical conditions of literary production. Considers in-depth how literary works relate to racial constructions, economic conditions, and/or social movements.		x	minorities, economic, social, social change, culture, cultural diversity, cultural heritage, diversity
Humanities	English	Undergraduate	ENGL H80	Sanctuary: Medieval and Modern	Principles and significance of the practice of legal sanctuary in medieval English history, literature, and religion. Development of modern use of churches and other safe spaces in the American Civil Rights movement, immigrant sanctuary movements, and international asylum.		x	migration, international, safety, migrants, moral and spiritual education, law and regulation, development
Humanities	English	Undergraduate	ENGL 11	Society, Law, and Literature	Examines how works of literature represent and influence the relation between law and society. The primary readings will be works of literature, but selections of works of law, politics, and sociology may also be assigned.		x	law and regulation, society, social
Humanities	English	Undergraduate	ENGL 11C	Society, Law, and Literature	Linked with Writing 39C. Explores how works of literature represent and influence the relation between law and society. The primary readings are works of literature, but selections of works of law, politics, and sociology may also be assigned.		x	law and regulation, society, social
Humanities	English	Undergraduate	ENGL H81	What is a Person?	Contemporary debates about personhood in law, culture, and society. Beginning with the emergence of ideas of personhood in philosophy and theology, and culminating in the study of highly contested cases: slavery, abortion law, animal rights, corporate personhood, and artificial intelligence.		x	law and regulation, culture, society, slavery, forced labor, migration, cruelty to animals, humane, reproductive rights, ethics
Humanities	English	Undergraduate	AENG 139W	Advanced Academic Writing Across the Curriculum	Designed for transfer students who speak English as a second language. Focuses on developing academic reading and writing skills including essay content, organization, vocabulary, and grammar. Academic content also covered.		x	education, development, culture, diversity, cultural diversity, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	European Languages and Studies	Undergraduate	FREN 1ABSP	Accelerated Fundamentals of French for Spanish Speakers	Accelerated first half of first-year French for Hispanophone students. Teaches conceptualizing in French while learning to read, write, and speak using knowledge of Spanish. Develops awareness of and sensibility to French and Francophone life and culture through reading, viewing, discussing.		x	culture, diversity, cultural diversity, international, global, cultural heritage
Humanities	European Languages and Studies	Undergraduate	FREN 1BCSP	Accelerated Fundamentals of French for Spanish Speakers	Accelerated second half of first-year French for Hispanophone students. Teaches conceptualizing in French while learning to read, write, and speak using knowledge of Spanish. Develops awareness of and sensibility to French and Francophone life and culture through reading, viewing, discussing.		x	culture, diversity, cultural diversity, international, global, cultural heritage
Humanities	European Languages and Studies	Undergraduate	ITAL 1ABSP	Accelerated Fundamentals of Italian for Spanish Speakers	Accelerated first half of first-year Italian for Hispanophone students. Teaches conceptualizing in Italian while learning to read, write, and speak using knowledge of Spanish. Develops awareness of and sensibility to Italian life and culture through reading, viewing, and discussing.		x	culture, cultural of tolerance, cultural diversity, diversity, international
Humanities	European Languages and Studies	Undergraduate	ITAL 1BCSP	Accelerated Fundamentals of Italian for Spanish Speakers	Accelerated second half of first-year Italian for Hispanophone students. Teaches conceptualizing in Italian while learning to read, write, and speak using knowledge of Spanish. Develops awareness of and sensibility to Italian life and culture through reading, viewing, and discussing.		x	culture, cultural of tolerance, cultural diversity, diversity, international
Humanities	European Languages and Studies	Undergraduate	GERM 1A	Fundamentals of German	Emphasizes the development of meaningful communicative skills in German for the purposes of interaction with German speakers and beginning study of German. With a learner-centered approach, the courses help students develop speaking, listening, reading, writing, and cultural skills and knowledge.		x	culture of tolerance, culture, cultural diversity, international, social, cultural heritage, development
Humanities	European Languages and Studies	Undergraduate	GERM 1B	Fundamentals of German	Emphasizes the development of meaningful communicative skills in German for the purposes of interaction with German speakers and beginning study of German. With a learner-centered approach, students develop speaking, listening, reading, writing, and cultural skills and knowledge.		x	culture of tolerance, culture, cultural diversity, international, social, cultural heritage, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	European Languages and Studies	Undergraduate	GERM 1C	Fundamentals of German	Emphasizes the development of meaningful communicative skills in German for the purposes of interaction with German speakers and beginning study of German. With a learner-centered approach, students develop speaking, listening, reading, writing, and cultural skills and knowledge.		x	culture of tolerance, culture, cultural diversity, international, social, cultural heritage, development
Humanities	European Languages and Studies	Undergraduate	RUSS 1A	Fundamentals of Russian	Focuses on reading, comprehension, basic composition, and conversation skills, and gives the student an initial exposure to the Russian cultural scene.		x	cultural diversity, culture, international, cultural heritage
Humanities	European Languages and Studies	Undergraduate	RUSS 1B	Fundamentals of Russian	Focuses on reading, comprehension, basic composition, and conversation skills, and gives the student an initial exposure to the Russian cultural scene.		x	cultural diversity, culture, international, cultural heritage
Humanities	European Languages and Studies	Undergraduate	RUSS 1C	Fundamentals of Russian	Focuses on reading, comprehension, basic composition, and conversation skills, and gives the student an initial exposure to the Russian cultural scene.		x	cultural diversity, culture, international, cultural heritage
Humanities	European Languages and Studies	Undergraduate	FREN 1AB	Intensive Fundamentals of French	Intensive first half of first-year French. Students are taught to conceptualize in French as they learn to read, write, and speak. Students develop an awareness of and sensibility to French and Francophone life and culture through reading, viewing, and discussion.		x	culture, diversity, cultural diversity, international, global, cultural heritage
Humanities	European Languages and Studies	Undergraduate	FREN 1BC	Intensive Fundamentals of French	Intensive second half of first-year French. Students are taught to conceptualize in French as they learn to read, write, and speak. Students develop an awareness of and sensibility to French and Francophone life and culture through reading, viewing, and discussion.		x	culture, diversity, cultural diversity, international, global, cultural heritage
Humanities	European Languages and Studies	Undergraduate	GERM 1BC	Intensive German Fundamentals	Second half of first-year German in a time-intensive form. Development of meaningful communicative skills for the purposes of interaction with German speakers and beginning study of German. Learner-centered approach develops speaking, listening, reading, writing, and cultural skills and knowledge.		x	culture of tolerance, culture, cultural diversity, international, social, cultural heritage, development
Humanities	European Languages and Studies	Undergraduate	GERM 1AB	Intensive German Fundamentals	First half of first-year German in a time-intensive form. Development of meaningful communicative skills for the purposes of interaction with German speakers and beginning study of German. Learner-centered approach develops speaking, listening, reading, writing, and cultural skills and knowledge.		x	culture of tolerance, culture, cultural diversity, international, social, cultural heritage, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	European Languages and Studies	Undergraduate	FREN 2A	Intermediate French	Texts of contemporary literary or social interest provide the focus for more advanced conversation, reading, and composition. Classes are conducted entirely in French. Two weeks focus on feminism and gender equality in France. One week focuses on ecology and climate change.		x	gender-sensitive, climate change, environment, global warming, gender inequality, gender disparities, culture, international, cultural diversity, ecology
Humanities	European Languages and Studies	Undergraduate	FREN 2B	Intermediate French	Texts of contemporary literary or social interest provide the focus for more advanced conversation, reading, and composition. Classes are conducted entirely in French. Many weeks focus on French colonies, racism, slavery, and immigration.		x	culture, slavery, forced labor, international, migrants, migration, cultural diversity, cultural heritage, inequality, equity
Humanities	European Languages and Studies	Undergraduate	GERM 2A	Intermediate German	Emphasizes communicative skills for the purposes of interaction with German speakers and intermediate study of German. With a learner-centered approach, helps students develop reading, writing, speaking, listening, grammatical, and cultural skills and knowledge. First-year grammar is reviewed and expanded.		x	culture, cultural diversity, cultural heritage, diversity, international
Humanities	European Languages and Studies	Undergraduate	GERM 2B	Intermediate German	Emphasizes communicative skills for the purposes of interaction with German speakers and intermediate study of German. With a learner-centered approach, helps students develop reading, writing, speaking, listening, grammatical, and cultural skills and knowledge. First-year grammar is reviewed and expanded.		x	culture, cultural diversity, cultural heritage, diversity, international
Humanities	European Languages and Studies	Undergraduate	GERM 2C	Intermediate German	Emphasizes communicative skills for the purposes of interaction with German speakers and intermediate study of German. With a learner-centered approach, helps students develop reading, writing, speaking, listening, grammatical, and cultural skills and knowledge. First-year grammar is reviewed and expanded.		x	culture, cultural diversity, cultural heritage, diversity, international
Humanities	European Languages and Studies	Undergraduate	RUSS 2A	Intermediate Russian	Students read simple passages from contemporary Russian literary texts and newspapers. Development of oral skills and exposure to Russian culture continue.		x	culture, cultural heritage, international
Humanities	European Languages and Studies	Undergraduate	RUSS 2B	Intermediate Russian	Students read simple passages from contemporary Russian literary texts and newspapers. Development of oral skills and exposure to Russian culture continue.		x	culture, cultural heritage, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	European Languages and Studies	Undergraduate	RUSS 2C	Intermediate Russian	Students read simple passages from contemporary Russian literary texts and newspapers. Development of oral skills and exposure to Russian culture continue.		x	culture, cultural heritage, international
Humanities	Film and Media Studies	Undergraduate	FMS 85B	Broadcast Media History and Analysis	History of broadcast media from the radio era to the present day, including social, political, institutional, and audience analysis as well as methods of visual and aural analysis of these media.		x	social, cultural heritage
Humanities	Film and Media Studies	Undergraduate	FMS 110	Film and Media Theory	Survey of major directions in film and media theory. Various theories of mass culture, realism, auteurism, semiotics, feminism, cultural studies, and theories of other media, with an emphasis on developing the student's ability to analyze and articulate a theoretical argument.		x	culture, gender-sensitive
Humanities	Film and Media Studies	Undergraduate	FMS 101A	History of Film I: The Silent Era	The aesthetic, industrial, and socio-historical developments of cinema in the U.S. and internationally from its invention to the adoption of synchronous sound. Includes early exhibition, developments in narrative and editing, the formation of the studio system, and avant-garde film movements.		x	society, cultural heritage, developments
Humanities	Film and Media Studies	Undergraduate	FMS 101B	History of Film II: The Studio Era	The aesthetic, industrial, and socio-historical developments of cinema in the U.S. and internationally from the 1930s through the 1960s. Includes the Hollywood studio system, propaganda films, Italian neorealism, post-war Japanese cinema, and the French New Wave.		x	social, society, international, global, cultural heritage, culture, cultural diversity
Humanities	Film and Media Studies	Undergraduate	FMS 101C	History of Film III: The Contemporary Era	The aesthetic, industrial, and socio-historical developments of cinema in the U.S. and internationally from the late 1960s to the present. Includes New Hollywood and independent U.S. films, ethnic cinemas, postcolonial cinemas, East-Asian new waves, and digital filmmaking.		x	social, society, international, global, cultural heritage, culture, cultural diversity, diversity
Humanities	Film and Media Studies	Undergraduate	FMS H80	Honors Seminar: Race Sport Media	Honors seminar examining the intersection of race, sports, and media in everyday U.S. popular culture (film, TV, advertising, gaming, social media) and political culture.		x	culture, social, society
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 100A	Feminism and Social Change	Explores feminist modes of knowledge production in relation to histories and activist practices of various social movements. Examines the kinds of information, research, ideas, theories, and concepts that underlie feminist cultural analysis and social movement organizing.		x	social change, social, gender-sensitive, equality, gender disparities, gender equality, diversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 100C	Feminist Cultural Studies	Investigation of the theories and methods that inform the feminist study of culture. Focuses on the interpretation of the visual arts and literature created by, and predominately for, women.		x	social change, social, gender-sensitive, equality, gender disparities, gender equality, diversity, culture
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 100B	Feminist Theory	Introduction to historical traditions in theory and various conceptual frameworks informing scholarship in gender studies, sexuality studies, and women's studies as a field of critical inquiry.		x	gender-sensitive, gender inequality, gender disparities, discrimination, rights
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 50A	Gender and Feminism in Everyday Life	What is gender? Why does studying it matter? Explores how feminism has understood not only gender as a category of social analysis, but how gender structures personal identities, family, citizenship, work and leisure, social policy, sexuality, and language.		x	social, gender-sensitive, gender equality, gender disparities, society, policy
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 60B	Gender and Law	Introduction to the relationship between gender, race, sexuality, and the law. Critical thinking about how law defines citizenship, political representation, and democracy, focusing on the history of legal reform undertaken in the name of women as a social group.		x	gender disparities, gender equality, gender-sensitive, social, law and regulation, social change
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 50C	Gender and Popular Culture	An investigation of gender, race, and sexuality in film, TV, video, music, and advertising, with attention to the ways that popular culture shapes understandings of technology, national identities, leisure and work, historical memory, international communication, and multicultural representation.		x	society, gender-sensitive, gender disparities, gender equality, international, culture
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 50B	Gender and Power	From workplace to home to schools to prisons, how are societal institutions and politics "gendered"? Examines power and inequalities around gender, race, class, and sexuality in national and transnational contexts.		x	society, gender-sensitive, gender disparities, gender equality, international
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 110A	Gender, State, and Nation	Examination of gender and sexuality in relation to the production of identities created through participation in state and nation. Examines complexity of relationship between feminism and nationalism, feminism and the state.		x	gender-sensitive, gender inequality, gender disparities, discrimination, rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 120B	Image Problems	Examination of scholarly approaches to gender stereotypes and politics of representation as they present possibilities for critical analysis and produce problems and limitations; how powerful ideas of gender intersect with other forms of social differentiation such as race and class.		x	social, gender-sensitive, gender disparities, gender equality
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 20	Introduction to Queer Studies	Study of sexuality from the perspective of lesbian, gay, queer, transgender scholarship spanning humanities, social sciences, and arts.		x	social, gender-sensitive, gender equality, gender disparities
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 110B	Money, Sex, and Power	Examination of gender and sexuality in relation to the emergence of the modern world, modernity, and capitalism; commodification, circulation, and transnational exchanges relating to race, gender, class, sexuality, religion, and nationality.		x	power, gender disparities, gender inequality, international, capital, economic, trade, discrimination, culture
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 100D	Queer Knowledges	Explores the emergence of historical elaboration of non-normative sexual identities, practices, and communities; focuses on medical, legal, literary, aesthetic, scientific, and religious notions about homosexuality and appropriations and subversions of these notions by queer people.		x	social change, social, gender-sensitive, equality, gender disparities, gender equality, diversity, culture, culture of tolerance
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 171A	Sex and Conquest in Latin America	Competing ideas of masculinity and femininity, sexual violence, sexual identities, and gendered hierarchies informed how the Spanish engaged in military and religious domination of Mexican and Andean communities, as well as the forms of native resistance throughout colonial Latin America.		x	gender-sensitive, international, indigenous people, violence
Humanities	Gender and Sexuality Studies	Undergraduate	GNSX 110D	The Politics of Health and Medicine	Focuses on cultural and political-economic analysis and representations of disease both within the U.S. and globally.		x	disease, global, public health, global health risks, human health, economic
Humanities	History	Undergraduate	HIST 132E	Armenians and Armenia in Modern World History	Covers the most important themes in the history of Armenians and Armenia in the 19th, 20th, and 21st centuries within a regional (i.e., Middle East and Caucasus) and global context.		x	global, international, cultural heritage, preventable death, conflict-related death

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	History	Undergraduate	HIST 15C	Asian American Histories	Examines and compares diverse experiences of major Asian American groups since the mid-nineteenth century. Topics include origins of emigration; the formation and transformation of community; gender and family life; changing roles of Asian Americans in American society. Formerly ASIANAM 60A.		x	community, gender-sensitive, cultural heritage, culture migration, minorities, diversity, cultural diversity, society
Humanities	History	Undergraduate	HIST 152A	Asian American Labor	Explores history of Asian Americans and work from the nineteenth century to the present. Areas of study include migration, colonialism, family, social organization, and work culture.		x	migration, social, migrant workers, culture, minorities
Humanities	History	Undergraduate	HIST 142A	California Dreaming: Conquest, Conflict, and Globalization in the Golden State	California as a case study of national trends and as a unique setting: its specific problems and culture. Major themes include: colonization, immigration, race relations, agricultural development, industrialization, urbanization, working class movements, social conflict, and political reform.		x	culture, migration, migrants, discrimination, minorities, urbanization, urban, urban sprawl, social, agriculture, globalization, migrant workers, cultural diversity
Humanities	History	Undergraduate	HIST 164B	Caribbean History: Emancipation to Independence	Post-emancipation and anti-colonial struggles ending with political independence for most of the region. Examines social, political, economic, cultural dimensions of post-emancipation period, including large-scale migration to Central America, the U.S., and Britain; the region's global cultural and political contribution.		x	social, economic, culture, global, slavery, forced labor, migration, equality, labor standards
Humanities	History	Undergraduate	HIST 171E	Chinese History: 1800-1949	An examination of Chinese society and thought from the late-eighteenth century to the 1949 revolution. Focuses on the role of intellectuals; popular culture; women in Chinese society; developments in commerce and urban life; rebellion; foreign imperialism.		x	culture, society, gender-sensitive, urban, international, cultural heritage, development
Humanities	History	Undergraduate	HIST 40A	Colonial America: New Worlds	Important themes in the social, economic, political, and cultural development in North America that transformed part of the geographical space into the U.S. Topics include Native Americans, European colonization, African enslavement, borderlands, gender, economic stratification, the American Revolution, the Constitution.		x	indigenous peoples, slavery, forced labor, economic, gender sensitive, gender equality, gender disparities, economic, social, cultural

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	History	Undergraduate	HIST 166C	Cuban Society and Revolution	Explores the causes, development, and legacy of the 1959 Revolution. Themes include economic dependency, democracy, race, gender, culture, and the always volatile relations between Cuba and the United States.		x	development, economic, democracy, discrimination, culture, gender-sensitive, gender equality, international, society
Humanities	History	Undergraduate	HIST 147	Education and the American Dream: Historical Perspectives on Democracy and Education	Examines the relationship between public schooling and the promotion of democratic ideals in American society over the past two centuries.		x	education, society, democracy
Humanities	History	Undergraduate	HIST 11	Genocide and Crimes Against Humanity Since WWII	Investigates instances of genocide since 1945 (including Cambodia, Bosnia, Rwanda, and others); explores the history behind these mass murders; considers why people kill, how victims survive, and questions whether international agreements are enough to prevent crimes against humanity.		x	international, preventable death, conflict-related death, international, violence
Humanities	History	Undergraduate	HIST 134E	History of the African Diaspora	Examines the causes and consequences of the multiple diasporas of African peoples since the sixteenth century in the Atlantic world, especially the Americas and Europe.		x	migration, slavery, forced labor, migrants, migrant workers, minorities, discrimination, voting rights, rights, human rights, basic rights, decent work
Humanities	History	Undergraduate	HIST 151C	Latinas in the Twentieth Century U.S.	Latinas in the U.S. from 1900 to present, offering a diversity of their cultures, regional histories, sexualities, generations, and classes.		x	culture, diversity, gender-sensitive, minorities, migrants, cultural diversity
Humanities	History	Undergraduate	HIST 170B	Medieval India	Begins with the Gupta period's aesthetic legacies in South Asia's architecture, sculpture, and painting. Explores the dispersal of Islam throughout South Asia, including the Muslim communities of southern India.		x	communities, international, global, moral and spiritual education, cultural diversity, culture, cultural heritage
Humanities	History	Undergraduate	HIST 40C	Modern America: Culture and Power	Important themes in U.S. history in the twentieth and early twenty-first centuries. Topics include corporate capitalism, empire, immigration, race, gender, consumer society, World Wars, Progressiveness, New Deal, Great Society, civil rights, women's movements, Vietnam War, conservative politics, and economic stratification.		x	culture, power, capital, civil rights, economic, migration, gender-sensitive, gender equality, gender disparities, violence

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	History	Undergraduate	HIST 15A	Native American History	An overview of major developments in Indian-white relations from the American Revolution to the present with an emphasis on political and legal history. How tribal sovereignty has been redefined over time is a central theme of the course.		x	law and regulation, indigenous peoples, development, governance, effective governance, equity, equality, conflict-related death, discrimination, minorities
Humanities	History	Undergraduate	HIST 40B	Nineteenth-Century U.S.: Crisis and Expansion	Explores the transformation of American society, economy, and politics during the nineteenth century. Topics include industrial revolution, slavery, antislavery, women's rights, reform movements, Civil War and Reconstruction, immigration and ethnicity, and cultural and social transformation.		x	slavery, forced labor, gender-sensitive, rights, gender equality, gender disparities, culture, social, society, economic
Humanities	History	Undergraduate	HIST 15G	Racial Segregation in Modern U.S.	Explores the history of racial segregation in the United States from the late 19th century to the present.		x	minorities, migration, discrimination, rights, basic rights, human rights, voting rights
Humanities	History	Undergraduate	HIST 16C	Religious Dialogue	Lectures and discussion on controversial topics in religion: sexual morality; religious violence; science; treatment of women and girls; religious truth, American Constitutional matters; secularization; the future of religion, and other topics.		x	violence, violent conflict, human rights, basic rights, rights, gender-sensitive, gender equality, gender disparities
Humanities	History	Undergraduate	HIST 166B	Revolution and Reaction in Cold War Latin America	Explores Latin American experiences of revolutionary change and military dictatorship during the Cold War (1945-1990). Pays particular attention to the lives of women, peasants, workers, and the urban middle classes. Case studies include Guatemala, Cuba, Chile, Argentina, Nicaragua, and Mexico.		x	urban, gender-sensitive, gender inequality, gender disparities, international, culture
Humanities	History	Undergraduate	HIST 166D	Revolution in Latin America	Presents a comparative analysis of the causes, development, and consequences of selected revolutionary movements, focusing on outbreaks in Mexico, Bolivia, Cuba, Chile, Nicaragua, and Grenada. Explores topics of state formation, economic nationalism, social justice, ethnicity, and role of international affairs.		x	development, social, economic, diversity, cultural diversity, international, social change

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	History	Undergraduate	HIST 160	Sex and Conquest in Latin America	Competing ideas of masculinity and femininity, sexual violence, sexual identities, and gendered hierarchies informed how the Spanish engaged in military and religious domination of Mexican and Andean communities, as well as the forms of native resistance throughout colonial Latin America.		x	gender-sensitive, international, indigenous people, violence
Humanities	History	Undergraduate	HIST 126B	The Era of World War II: 1933-45	The era of World War II and its political, social and economic history.		x	international, violence, peace, conflict-related death, economic, social
Humanities	History	Undergraduate	HIST 10	The Holocaust	Introduction to the history of European Jewish communities before the Holocaust; the origins of Nazi antisemitism; the implementation of the "Final Solution"; Jewish resistance to the Nazis; and attempts in film and literature to represent the Holocaust since 1945.		x	conflict-related death, discrimination, minorities, violence, violent conflict, international
Humanities	History	Undergraduate	HIST 60	The Making of Modern Science	Surveys the history of science and mathematics since the Scientific Revolution, examining central developments both chronologically and thematically, as well as investigating their significance for contemporary philosophical debates about the role and status of current scientific theories.		x	ethics, development, nature, violence
Humanities	History	Undergraduate	HIST 166	U.S. Intervention in Latin America	Explores political, economic, social, and cultural ties that bind Latin America to the United States. Focuses on U.S. intervention and Latin American response from early nineteenth century to present day. Case studies include Mexico, Guatemala, Cuba, Chile, and Central America.		x	social, economic, culture, international
Humanities	History	Undergraduate	HIST 120D	War and Empire: France and the World in the 20th Century	Examines French experience of World War I, the defeat and occupation by Germany in World War II, the violent struggles that came with the loss of the French empire in the 1950s and 1960s, immigration, French responses to globalization.		x	violence, migration, migrants, globalization, cultural heritage, international
Humanities	History	Undergraduate	HIST 15F	What to Eat? Immigrants and the Development of American Cuisines	Relationship between immigration and changing American foodways; impact of several major culinary traditions of immigrants and racial minorities, such as African Americans, Asian Americans, Mexican Americans, Italian Americans, Irish Americans, and Jewish Americans, on America's gastronomical and socioeconomic landscape.		x	migration, minorities, cultural heritage, cultural diversity, food, society, economic

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	History	Undergraduate	HIST 132C	Women and Gender in the Middle East	Focuses on women and gender in the Middle East from the pre-modern to the contemporary.		x	international, gender disparities, gender inequality, gender discrimination, moral and spiritual education, rights
Humanities	History	Undergraduate	HIST 16A	World Religions I	An introduction to the history, doctrine, culture, and writing of Judaism, Christianity, and Islam.		x	culture, global, international, cultural heritage, cultural tolerance
Humanities	History	Undergraduate	HIST 16B	World Religions II	An introduction to various religious traditions in selected areas of the world including India and South Asia, East Asia, Africa, and the Americas.		x	cultural heritage, cultural significance, culture of tolerance, moral and spiritual education, diversity, cultural diversity, international, global
Humanities	History	Undergraduate	HIST 21A	World: Innovations	Treats major themes of world historical development through the mid-seventeenth century, focusing on the Eurasian world, but with secondary emphasis on Africa and the Americas.		x	international, development, global
Humanities	History	Undergraduate	HIST 21C	World: Nation, War, and Rights	Considers several major currents of modern history: technological change and its social effects; changes in gender relations; totalitarianism; peasant revolutions and the crisis of colonization; international migration; and ecological problems.		x	social, gender-sensitive, gender equality, gender disparities, migration, rights, ecology
Humanities	Logic and Philosophy of Science	Undergraduate	LPS 60	The Making of Modern Science	Surveys the history of science and mathematics since the Scientific Revolution, examining central developments both chronologically and thematically, as well as investigating their significance for contemporary philosophical debates about the role and status of current scientific theories.		x	ethics, development, nature, violence
Humanities	Logic and Philosophy of Science	Undergraduate	LPS 91	The Philosophy of Sex	Discusses the origins of biological sex, dynamics of sexual selection, sex differences in humans, and the construction of gender in human societies. Seeks to understand the role social values play in the creation of science.		x	social, origins of life, gender-sensitive, society
Humanities	Logic and Philosophy of Science	Undergraduate	LPS H123	What is Disease?	Explores philosophical issues associated with scientific efforts to understand and explain disease.		x	disease, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Philosophy	Undergraduate	PHIL 131A	Applied Ethics	Topics include capital punishment, world hunger, obligations to future generations, environmental ethics, animal rights, economic justice, sexual morality, affirmative action, racism and sexism, and legalization of drugs.	x		hunger, ethics, environmental ethics, moral and spiritual education, discrimination, rights, future generations, sustainability, justice, economic, economic justice, hazardous substances, law and regulation, policy, gender disparities, gender inequalities, cruelty to animals
Humanities	Philosophy	Undergraduate	PHIL 5	Contemporary Moral Problems	Selected moral issues of current interest, e.g., abortion, sexual morality, euthanasia, capital punishment, reverse discrimination, civil disobedience, or violence.		x	reproductive health, ethics, human, reproductive rights, rights, gender disparities, gender inequality, discrimination, civil society, violence
Humanities	Philosophy	Undergraduate	PHIL 13	History of Contemporary Philosophy	A study of recent philosophical developments in Anglo-American and Continental philosophy with readings from such figures as Russell, Moore, Wittgenstein, Quine, Heidegger, and Sartre.		x	rights, justice, moral and spiritual wisdom
Humanities	Philosophy	Undergraduate	PHIL 12	History of Modern Philosophy	A study of major developments in western philosophy from Descartes to Kant with readings from Descartes, Leibniz, Locke, Berkeley, Hume, and Kant.		x	rights, justice, moral and spiritual wisdom
Humanities	Philosophy	Undergraduate	PHIL 4	Introduction to Ethics	Selected topics from the history of ethics, e.g., the nature of the good life and the moral justification of conduct.		x	ethics, well-being, moral and spiritual wisdom, humane
Humanities	Philosophy	Undergraduate	PHIL 22	Introduction to Law and Society	What constitutes a legal system? What does it mean for a society to have a system as a part of the social fabric. Examines the social status of law and its use as a tool for fashioning society.		x	social, law and regulation, society, governance
Humanities	Philosophy	Undergraduate	PHIL 103	Introduction to Moral Philosophy	A study of one or more of the problems of contemporary moral philosophy, e.g., the nature of justice, liberalism versus conservatism, happiness and its relation to virtue and right conduct, the objectivity of moral standards.		x	rights, justice, moral and spiritual wisdom

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Philosophy	Undergraduate	PHIL 121A	Medical Epistemology	Analysis of epistemological issues concerning medical research and health care. Topics may include medical evidence, transmission of medical knowledge, medical expertise, the epistemology of medical disagreement, classification of illnesses, well-being, philosophy of pain, and medical decision making.		x	well-being, disease, human health, responsive decision-making, behavioral change, health, traditional knowledge
Humanities	Philosophy	Undergraduate	PHIL 131C	Medical Ethics	Analysis of moral issues concerning health care. Topics may include just allocation of scarce medical resources, the doctor/patient relationship, genetic engineering, surrogate motherhood, abortion, euthanasia, or social policy concerning AIDS.		x	genetic resources, reproductive rights, reproductive health, gender disparities, gender inequality, social policy, AIDS, HIV infections, material sufficiency, human health
Humanities	Philosophy	Undergraduate	PHIL 163	Social Epistemology	Social epistemology is specifically concerned with questions concerning knowledge and justification that arise in a social context. Topics discussed include testimony, experts, disagreement, group knowledge, feminist epistemology, legal epistemology, and epistemology of education.		x	social, law and regulation, gender equality, gender disparities, education, traditional knowledge
Humanities	Philosophy	Undergraduate	PHIL 162	Social Ontology	Examines how things in one's social environment exist. Such things are compared and contrasted to others in what might be regarded as the given, natural environment. Topics discussed include natural kinds; artifacts; essentialism; constructivism; intentionality; agency.		x	social, environment, natural, well-being
Humanities	Philosophy	Undergraduate	PHIL 164	Well-Being	Examines what it is that makes a life good (or bad) for the person who lives it. Topics include hedonism, desire-satisfaction theories of well-being (as well as other such theories), the notion of harm, the possibility of posthumous harm.		x	well-being, ethical
Humanities	School of Humanities Core	Undergraduate	RLGN 17	An Economic Approach to Religion	Introduction to how basic economic concepts such as demand, supply, consumption, production, competition, free-riding, innovation, regulation, and rent-seeking can be applied to understand observed religious behavior.		x	economic, consumption, law and regulation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	School of Humanities Core	Undergraduate	WRTG 39C	Argument and Research	Intensive instruction in research methods, argumentation, and rhetorical invention. Readings selected from current nonfiction and materials located by students from the University library's holdings, to include databases across a range of disciplines. Students choose an issue related to climate change and/or sustainability and research how a particular crisis in a region grew worse, what kinds of government or corporate failures or lapses led to its escalation in the 1st assignment which is 35% of the final grade. In the 2nd assignment, students research and analyze public policy solutions to the issue. This assignment is worth 45% of their final grade. Students work on an advocacy project, in which they explore, evaluate, and advocate for mitigative efforts related to climate change.		x	climate change, sustainability, climate-related, public policy, effective governance, governance
Humanities	School of Humanities Core	Undergraduate	MDHM 3	Art and Medicine	Analyzes the relationship between medicine and the visual arts from the late medieval to modern periods, covering topics such as anatomy, optical medical technologies, gender and race in medicine, and popular representations of disease and doctors.		x	disease, discrimination, gender disparities, gender inequality, inequity, human health, health
Humanities	School of Humanities Core	Undergraduate	PERS 1A	Fundamentals in Persian	Designed for students with little or no exposure to Persian. Students learn the modern writing system and grammar of Persian. Facilitates basic reading, writing, and speaking skills and fosters college-level literacy in Persian culture.		x	literacy, culture, international, diversity, cultural heritage
Humanities	School of Humanities Core	Undergraduate	PERS 1B	Fundamentals in Persian	Designed for students with little or no exposure to Persian. Students learn the modern writing system and grammar of Persian. Facilitates basic reading, writing, and speaking skills and fosters college-level literacy in Persian culture.		x	literacy, culture, international, diversity, cultural heritage
Humanities	School of Humanities Core	Undergraduate	PERS 1C	Fundamentals in Persian	Designed for students with little or no exposure to Persian. Students learn the modern writing system and grammar of Persian. Facilitates basic reading, writing, and speaking skills and fosters college-level literacy in Persian culture.		x	literacy, culture, international, diversity, cultural heritage
Humanities	School of Humanities Core	Undergraduate	GLME 60A	Humanities and Arts: Problems and Methods for Global Middle East Studies	Introduces students to the broad set of humanities and arts approaches to studying the Middle East as a global zone of cultural, political, and economic interaction.		x	culture, economic, global, international, cultural diversity, cultural sensitivity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	School of Humanities Core	Undergraduate	HUM B1A	Humanities Core Biological Sciences Lecture	Through a range of cultural traditions and an interdisciplinary approach to works of literature, history, philosophy, and contemporary media, students are introduced to the humanities.		x	culture, cultural heritage, cultural diversity, cultural significance
Humanities	School of Humanities Core	Undergraduate	HUM 1A	Humanities Core Lecture	Through a range of cultural traditions and an interdisciplinary approach to works of literature, history, philosophy, and contemporary media, students are introduced to the humanities.		x	culture, cultural heritage, cultural diversity, cultural significance
Humanities	School of Humanities Core	Undergraduate	HUM 1B	Humanities Core Lecture	Through a range of cultural traditions and an interdisciplinary approach to works of literature, history, philosophy, and contemporary media, students are introduced to the humanities.		x	culture, cultural heritage, cultural diversity, cultural significance
Humanities	School of Humanities Core	Undergraduate	HUM 1C	Humanities Core Lecture	Through a range of cultural traditions and an interdisciplinary approach to works of literature, history, philosophy, and contemporary media, students are introduced to the humanities.		x	culture, cultural heritage, cultural diversity, cultural significance
Humanities	School of Humanities Core	Undergraduate	ARBC 2A	Intermediate Arabic Language and Culture	Designed for students to advance their Arabic language skills to intermediate level. Students will develop their understanding of grammar and syntax to a more sophisticated level. Facilitates intermediate-level reading, writing, and speaking skills. Fosters college-level cultural literacy.		x	culture, cultural heritage, international, literacy, cultural
Humanities	School of Humanities Core	Undergraduate	ARBC 2B	Intermediate Arabic Language and Culture	Designed for students to advance their Arabic language skills to intermediate level. Students will develop their understanding of grammar and syntax to a more sophisticated level. Facilitates intermediate-level reading, writing, and speaking skills. Fosters college-level cultural literacy.		x	culture, cultural heritage, international, literacy, cultural
Humanities	School of Humanities Core	Undergraduate	ARBC 2C	Intermediate Arabic Language and Culture	Designed for students to advance their Arabic language skills to intermediate level. Students will develop their understanding of grammar and syntax to a more sophisticated level. Facilitates intermediate-level reading, writing, and speaking skills. Fosters college-level cultural literacy.		x	culture, cultural heritage, international, literacy, cultural
Humanities	School of Humanities Core	Undergraduate	PERS 2A	Intermediate Persian	Designed for students to advance their Persian language skills from introductory to intermediate level. Student will advance their understanding of grammar and syntax. Facilitates intermediate-level reading, writing, and speaking skills. Fosters college-level cultural literacy.		x	literacy, culture, international, diversity, cultural heritage

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	School of Humanities Core	Undergraduate	PERS 2B	Intermediate Persian	Designed for students to advance their Persian language skills from introductory to intermediate level. Students will advance their understanding of grammar and syntax. Facilitates intermediate-level reading, writing, and speaking skills. Fosters college-level cultural literacy.		x	literacy, culture, international, diversity, cultural heritage
Humanities	School of Humanities Core	Undergraduate	PERS 2C	Intermediate Persian	Designed for students to advance their Persian language skills from introductory to intermediate level. Students will advance their understanding of grammar and syntax. Facilitates intermediate-level reading, writing, and speaking skills. Fosters college-level cultural literacy.		x	literacy, culture, international, diversity, cultural heritage
Humanities	School of Humanities Core	Undergraduate	ARBC 51	Introduction to the Koran	An introduction to understanding the Koran and its significance to Muslim life, culture, and history. An overview of scholarly traditions related to the Koran, and its critics. Close readings of the Koran in English translation.		x	moral and spiritual education, culture, minorities, diversity, cultural diversity
Humanities	School of Humanities Core	Undergraduate	RLGN 123	Medieval India	Begins with the Gupta period's aesthetic legacies in South Asia's architecture, sculpture, and painting. Explores the dispersal of Islam throughout South Asia, including the Muslim communities of southern India.		x	communities, international, global, moral and spiritual education, cultural diversity, culture, cultural heritage
Humanities	School of Humanities Core	Undergraduate	RLGN 115	Religion and World Politics	Examines the relationship between religion and world politics historically and today, focusing on connections with peace/war, democracy, human rights, secularism(s), and globalization. Covers major debates, scholarship, concepts, and theories through class exercises, exams, and essays.		x	human rights, democracy, globalization, peace, global
Humanities	School of Humanities Core	Undergraduate	RLGN 5C	Religious Dialogue	Lectures and discussion on controversial topics in religion: sexual morality; religious violence; science; treatment of women and girls; religious truth, American Constitutional matters; secularization; the future of religion, and other topics.		x	violence, violent conflict, human rights, basic rights, rights, gender-sensitive, gender equality, gender disparities
Humanities	School of Humanities Core	Undergraduate	GLME 60C	Social Ecology and Sciences: Problems and Methods for Global Middle East Studies	Introduces students to the broad set of approaches to studying the Middle East as a global zone of cultural, political, and economic interaction, focusing on the disciplines related to Social Ecology.		x	global, culture, culture of tolerance, diversity, cultural diversity, ecology, social, economic, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	School of Humanities Core	Undergraduate	GLME 60B	Social Sciences: Problems and Methods for Global Middle East Studies	Introduces students to the broad set of social sciences approaches to studying the Middle East as a global zone of cultural, political, and economic interaction.		x	culture, economic, global, international, cultural diversity, cultural sensitivity, social
Humanities	School of Humanities Core	Undergraduate	RLGN 5A	World Religions I	An introduction to the history, doctrine, culture, and writing of Judaism, Christianity, and Islam.		x	culture, global, international, cultural heritage, cultural tolerance
Humanities	School of Humanities Core	Undergraduate	RLGN 5B	World Religions II	An introduction to various religious traditions in selected areas of the world including India and South Asia, East Asia, Africa, and the Americas.		x	cultural heritage, cultural significance, culture of tolerance, moral and spiritual education, diversity, cultural diversity, international, global
Humanities	Spanish and Portuguese	Undergraduate	SPAN 3H	Heritage Spanish: Latinidad	Designed for students who grew up speaking Spanish in their homes/communities, whose schooling has been primarily in English, and need additional practice writing in Spanish.		x	cultural heritage, communities, community, culture, diversity
Humanities	Spanish and Portuguese	Undergraduate	SPAN 2C	Intermediate Spanish	Third quarter of Intermediate Spanish that helps students further develop their reading, listening, speaking, and writing skills in Spanish and a cultural understanding of the Spanish-speaking world. Delivered in a hybrid format.		x	culture, cultural diversity, cultural heritage, international, diversity
Humanities	Spanish and Portuguese	Undergraduate	SPAN 101A	Introduction to Iberian Literature and Culture	Introduction to the major authors and movements of Iberian literature and culture from the Middle Ages to the present.		x	culture, international, global, cultural heritage
Humanities	Spanish and Portuguese	Undergraduate	SPAN 101B	Introductory Studies to Latin American Literature and Culture	A historical overview of Latin American literature and culture mainly focused on canonical texts. Topics include colonialism and postcolonialism, the nation, indigenismo, gender, and literary movements. Also introduces literary analysis, research methods, and cultural critique.		x	indigenous peoples, diversity, cultural diversity, culture, gender-sensitive, international
Humanities	Spanish and Portuguese	Undergraduate	SPAN 60E	Mexico and Central America: A Survey	Panoramic view of Mexico and Central America examining key texts throughout history. Shows the richness of the culture, and an appraisal of various forms of representation, including images, chronicles, novels, essays, poems, and a film. Taught in English.		x	culture, international, diversity, global, cultural heritage

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Spanish and Portuguese	Undergraduate	SPAN 61	The Culture of the Visual Image in Latin America	A survey of visual forms of expression which have endured through more than five centuries of pre-colonial, colonial, and independent Latin America. Forms to be treated in the class include painting, monuments, sculpture, urban planning, graffiti, comics, and photography.		x	urban, planning, culture, international, global, cultural heritage
Humanities	Spanish and Portuguese	Undergraduate	SPAN 3	US Latino Communities	Focuses on intermediate to advanced grammar and composition. Emphasis is placed on key elements of grammar, which constitutes about 70 percent of the curriculum, and composition writing, which constitutes the remaining 30 percent.		x	communities, minorities, migrants, migration, cultural heritage, cultural diversity, diversity, culture
<b>Total Humanities</b>						<b>1</b>	<b>170</b>	
Information and Computer Sciences	Computer Science	Undergraduate	CS 172C	Artificial Intelligence Frontiers: Technical, Ethical, and Societal	Explores the frontiers of artificial intelligence and related technologies with a focus on the underlying ethical, legal, and societal challenges and opportunities they create. Encourages critical thinking about these issues.		x	society, ethics, law and regulation
Information and Computer Sciences	Computer Science	Undergraduate	CS 184C	Computational Systems Biology	Computational inference and modeling of gene regulation networks, signal transduction pathways, and the effects of regulatory networks in cellular processes, development, and disease. Introduction of required mathematical, computational, and data handling tools.		x	genetic diversity, development, disease, health, human health
Information and Computer Sciences	Computer Science	Undergraduate	ICS 10	How Computers Work	Introduction to digital computer and communication systems. Capabilities and limitations of information technology. Representing information in digital form. Overview of computer organization, internet, operating systems, software. Human-computer interaction and social impact.		x	social, safety, law and regulation, development
Information and Computer Sciences	Informatics	Undergraduate	INF 164	Children's Learning and Media	Examines how popular media may impact how young people learn, develop, and communicate by looking at research related to the impacts of a wide range of popular media including television, video games, digital environments, mobile devices, and other multimedia.		x	development, social, education
Information and Computer Sciences	Informatics	Undergraduate	ICS 60	Computer Games and Society	The study and critical analysis of computer games as art objects, cultural artifacts, gateways to virtual worlds, educational aids, and tools for persuasion and social change. Emphasis on understanding games in their historical and cultural context.		x	education, social change, behavioral change, culture, society

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Information and Computer Sciences	Informatics	Undergraduate	INF 153	Computer Supported Cooperative Work	Introduces concepts and principles of collaborative systems. Topics may include shared workspaces, group interaction, workflow, architectures, interaction between social and technical features of group work, and examples of collaborative systems used in real-world settings. Students develop a simple collaborative application.		x	social, collaborative, cooperation
Information and Computer Sciences	Informatics	Undergraduate	INF H81	Ethics, Technology, and Design	Provides a critical framework for how and why biases of many kinds are built into everyday digital tools. Reflections on ethics, technology, and design through case studies drawn from machine learning, CS education, engineering, social media, and criminal justice.		x	ethics, discrimination, justice, design, disability-sensitive, social, persons with disabilities
Information and Computer Sciences	Informatics	Undergraduate	ICS 5	Global Disruption and Information Technology	This course focuses on the intersection between sustainability and computing. Explores how new forms of information technology may support transition to a sustainable civilization. Topics include design and implementation of IT systems, science of global change, online community building, and "green IT". Activities involve reading, writing, discussion, and final project.	x		sustainability, sustainable, green, global, adapt
Information and Computer Sciences	Informatics	Undergraduate	ICS 4	Human Factors for the Web	Principles of human-computer interaction in evaluating, designing, and developing information presented on the World Wide Web. User characteristics, usability analysis, navigation and organization. Color, typography, multimedia, information visualization, prototyping, user studies, evaluation strategies. Web accessibility.		x	disability-sensitive, equal access, development, design, persons with disabilities
Information and Computer Sciences	Informatics	Undergraduate	ICS 3	Internet Technologies and their Social Impact	Examines current Internet technologies and social implications at the individual, group, and societal level. Blogs, wikis, sharing of video, photos, and music, e-commerce, social networking, gaming, and virtual environments. Issues include privacy, trust, identity, reputation, governance, copyright, and malicious behavior.		x	social, culture, economic, safety, rights, governance, society

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Information and Computer Sciences	Informatics	Undergraduate	INF 171	Introduction to Medical Informatics	Broad overview of medical informatics for students with varied backgrounds. Electronic medical records, online resources, mobile technologies, patient safety, and computational design. Legal, ethical, and public policy issues. Health systems management. Evaluation and fieldwork for health systems.		x	public policy, diversity, safety, ethical, law and regulation, health, human health
Information and Computer Sciences	Informatics	Undergraduate	ICS 163	Mobile and Ubiquitous Games	Design and technology of mobile games, including mixed reality gaming, urban games, and locative media. Case studies of significant systems. Uses and limitations of location-based technologies. Infrastructures and their relationships to gameplay and design.		x	environment, urban, design, interdependent
Information and Computer Sciences	Informatics	Undergraduate	ICS 168	Multiplayer Game Project	Designing and implementing a multiuser, networked, and persistent virtual environment or game. Emphasis on cultural aspects, community building, user interface issues and design, security, privacy, and economics.		x	community, capacity-building, design, safety, economic, environment, cultural
Information and Computer Sciences	Informatics	Undergraduate	INF 161	Social Analysis of Computing	Introduction of computing as a social process. Examines the social opportunities and problems raised by new information technologies, and the consequences of different ways of organizing. Topics include computing and work life, privacy, virtual communities, productivity paradox, systems risks.		x	safety, communities, social
Information and Computer Sciences	Informatics	Undergraduate	INF 122	Software Design: Structure and Implementation	Introduction to implementation design: designing the internals of a software application. Topics include design aesthetics, design implementation, design recovery, design patterns, and component reuse. Includes practice in designing and case studies of existing designs.		x	reuse, recycle, design, manufacturing, resilience
<b>Total Information and Computer Sciences</b>						<b>1</b>	<b>14</b>	
Nursing	Nursing	Undergraduate	NURS 120	Adult Health Care	Restorative, perioperative, supportive care of adults with acute/chronic alterations in oxygenation, regulation, immune response, elimination, metabolism, mobility, cognition, and substance abuse. Concurrent practicum occurs in inpatient medical-surgical units, perioperative units and outpatient clinics utilizing critical thinking and research skills.		x	hazardous substances, human health, bodily health, wellness, life cycle, disease

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Undergraduate	NURS 114A	Applied Pharmacology I	Presents principles of pharmacology applied to interventions in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education are included.		x	education, health, equity, toxic, human health
Nursing	Nursing	Undergraduate	NURS 114B	Applied Pharmacology II	Presents principles of pharmacology applied to interventions in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education are included.		x	education, health, equity, toxic, human health
Nursing	Nursing	Undergraduate	NURS 170	Community-Based Health Care	Epidemiology, primary health care promotion, and disease prevention applied to nursing care of individuals, families, groups, and communities. Includes sociocultural, political, economic, and environmental influences. Concepts and methods of assessing populations and communities incorporated in concurrent practicum.		x	environmental, economic, social, culture, society, governance, law and regulation, population, communities, disease, wellness, human health, health
Nursing	Nursing	Undergraduate	NURS 92	Compassion in Health Care	An overview of the importance of compassion in health care, providing examples from a variety of health care professions through lectures and discussion.		x	health, human health, disease, wellness, well-being
Nursing	Nursing	Undergraduate	NURS 150	Critical and Specialty Health Care	Delivery of patient-centered care for individuals with life-threatening alterations in health status utilizing technology and pharmacology for life support. Concurrent practicum in critical care units emphasizes collaboration, team work, and quality improvement in safe care delivery.		x	preventable death, health, human health, collaborative, safety
Nursing	Nursing	Undergraduate	NURS 110W	Frameworks for Professional Nursing Practice	Conceptual frameworks for professional practice. Scope of professional nursing, jurisprudence and ethics, professional interpersonal relationships, and health care delivery systems in the context of the social, political, and economic environments. Socialization of the student for professional roles in nursing.		x	ethics, social, economic, environment, health, human health, law and regulation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Undergraduate	NURS 140	Human Behavior and Mental Health Care	Biopsychosocial and cultural influences on promotion and restoration of mental health in adults and adolescents. Assessment, classification, and care of clients with mental health problems and/or substance abuse. Concurrent practicum in adult/adolescent inpatient psychiatric units and outpatient mental health clinics.		x	well-being, wellness, health, human health, hazardous substances, preventable death
Nursing	Nursing	Undergraduate	NURS 160	Leadership and Management in Health Care	Principles, concepts, and theories related to organizations, management, leadership, decision-making, and group process applied to the delivery of health care. The professional nurse using evidenced-based practice, collaboration, and informatics is incorporated in concurrent practicum emphasizing safe patient care delivery.		x	safety, health, human health, representative decision-making, collaborative, cooperation
Nursing	Nursing	Undergraduate	NURS 135	Older Adult Health Care	Theories of aging and application of principles of gerontology in health maintenance of older adults. Concepts and principles of rehabilitation and palliative care.		x	health, human health, life cycle, living beings
<b>Total Nursing</b>						<b>0</b>	<b>10</b>	
Other	Other	Undergraduate	ROTC 131	Adaptive Team Leadership I	Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specified feedback on their leadership attributes and core leader competencies.		x	adapt, representative decision-making
Other	Other	Undergraduate	ROTC 132	Adaptive Team Leadership II	Provides cadets systematic and specific feedback on their leadership attributes and core leader competencies. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities.		x	adapt, representative decision-making
Other	Other	Undergraduate	ROTC 13	Applied Leadership in Small Unit Operations	Focuses on leadership at the tactical level and includes instruction in fundamental military skills such as map reading, land navigation, squad and platoon operations, and resource planning techniques.		x	planning, resource, resource efficiency, resource-use efficiency, representative decision-making

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Other	Other	Undergraduate	UNST 10	Introduction to Civic and Community Engagement and Community Research	Provides a foundation for understanding the role of public scholarship, civic engagement, and social action, and the relationship between service learning and engaged citizenship. Introduces key theoretical and research methodologies on the traditions and innovations of civic and community engagement.		x	engage, service, social, social change, community, community-based research
Other	Other	Undergraduate	ROTC 141	Leadership III	Transitions the focus of student learning from being trained, mentored, and evaluated as a cadet to learning how to train, mentor, and evaluate cadets. Cadets begin to learn the duties and responsibilities of an Army staff officer.		x	adapt, representative decision-making, responsibility
Other	Other	Undergraduate	ROTC 12	Military Science - Leadership I	Focuses on the fundamentals of leadership, Army leadership values, ethics, coaching, and mentoring techniques.		x	ethics, representative decision-making
Other	Other	Undergraduate	ROTC 11	Military Science - Personal Development	Focuses on life skills such as physical fitness, nutrition, and time management while providing an introduction to military knowledge, customs, and skills.		x	malnutrition, health, food, undernourishment, human health, bodily health, food reserves
Other	Other	Undergraduate	ROTC 143	Officership	Explores the dynamics of leading in the complex situations of current military operations in the OE. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism.		x	engage, international, violent conflict, law and regulation
Other	Other	Undergraduate	UNST 110	Philanthropy in the Community	Introduces the role of community engagement, social action and philanthropy. Examines theories and practices of philanthropy, and strategies for social change. Involves hand-on engagement with philanthropy in the form of students making decisions about the distribution of a real fund.		x	community, social, social change
Other	Other	Undergraduate	ROTC 133	Tactical Leadership III	Uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading, and motivating team members when "under fire" are explored, evaluated, and developed.		x	adapt, representative decision-making, safety
<b>Total Other</b>						<b>0</b>	<b>10</b>	

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS H80	Drugs and Society	Where drugs come from, how drugs work, how and why people abuse drugs, the costs of drug abuse on society, which drugs are commonly abused, and how drug abuse can be prevented and treated. Course intended for non-science majors.		x	hazardous substances, society, well-being, unintentional poisoning, toxic, human health, health
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 179	Emerging Technologies in Pharmaceutical Sciences and Medicine	Introduces emerging, ground-breaking technologies in pharmaceutical sciences and medicine, including pharmacogenomics, genome editing, and stem cell and engineered T cell therapies. Explores these novel technologies with both their underlying theories and forward-thinking applications.		x	regeneration, regenerative capacity, ethics, health, human health, disease
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 76	Ethical Conduct of Research	Covers the ethical responsibilities of biomedical scientists. Topics include, as discussions and case studies, the high standards of science, the responsible conduct of research, animal experimentation, and clinical trials as they relate to the pharmaceutical sciences.		x	humane, ethics, health, cruelty to animals, rights, human health
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 120	Human Physiology	Covers the function of the human body. All major organ systems are discussed. Designed to prepare students for healthcare careers, such as medicine, pharmacy, dentistry, and for research careers which require basic knowledge of how the human body functions.		x	human health, bodily health, wellness, health
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 42	Life 101	Covers the latest scientific work on the impact of nutrition, exercise, and lifestyle choices on mental and physical health. Motivates students to make positive changes by fostering personal growth.		x	behavioral change, malnutrition, food, undernourishment, health, wellness
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 177	Medicinal Chemistry	An introduction of the basics of drug activity and mechanisms. Strategies used to identify lead compounds such as natural product chemistry, combinatorial chemistry, molecular modeling, and high-through put screening. Relationship of molecular structure to pharmacological activity.		x	disease, wellness, health, human health, safety
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 170A	Molecular Pharmacology I	Molecular basis of drug-receptor action at the molecular and cellular levels. Structure-function of drug targets emphasizing enzymes, ion channels, and membrane transport proteins. Understanding how the drugs' mechanisms of action contribute to the development of more efficacious and safer drugs.		x	safety, human health, health, life cycle, wellness

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 170B	Molecular Pharmacology II	Introductory survey covering the molecular mechanisms of drugs that target the nervous system, such as anxiolytics, antidepressants, antipsychotics, hypnotics, muscle relaxants, and recreational drugs; drugs related to the immune system, including antibiotics, antihistamines, and immunosuppressants; drugs used to treat cancer.		x	safety, human health, health, wellness, well-being, hazardous substances, unintentional poisoning, toxic
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 163	Pharmacogenomics and Epigenetics	Survey of the genetic and epigenetic basis of inter-subject variability in response to drugs. Covers drug efficacy, safety, and need for their optimization in pharmacotherapy. Emphasizes genetic mechanisms of polymorphisms in the pharmacokinetics and pharmacodynamics of representative therapeutic drugs.		x	safety, human health, health, wellness, well-being, hazardous substances, unintentional poisoning, toxic
Pharmaceutical Sciences	Pharmaceutical Sciences	Undergraduate	PHMS 173	Pharmacotherapy	An exploration of the clinical application of medications to selected disease states. Focus is on an understanding of underlying principles of pharmacology and how this knowledge can be applied to treatment of diseases.		x	disease, wellness, health, human health
<b>Total Pharmaceutical Sciences</b>						<b>0</b>	<b>10</b>	
Physical Sciences	Chemistry	Undergraduate	CHEM 152	Advanced Analytical Chemistry	In-depth treatment of modern instrumental methods for quantitative analysis of real samples and basic principles of instrument design. Laboratory experiments using spectroscopic, chromatographic, mass spectrometric, and other instrumental methods. One of the learning outcomes was that students optimize a gas chromatography method for the determination of a common contaminant in food samples.		x	food, contamination, unintentional poisoning, toxic
Physical Sciences	Chemistry	Undergraduate	CHEM 125	Advanced Organic Chemistry	Rapid-paced comprehensive treatment of organic chemistry. Focuses on molecular structure, reactivity, stability, scope and mechanisms of organic reactions. Topics include: structure and bonding; theoretical organic chemistry; acidity and basicity; reactive intermediates; pericyclic reactions; stereochemistry; organic synthesis; natural products; organic photochemistry.		x	natural, organic, nature, solvent, affordable medicines, green chemistry, efficiency, ultraviolet radiation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Chemistry	Undergraduate	CHEM H30A	Critical Analysis of Health Science Literature	Focuses on evaluation of scientific literature. Aspects of scientific inquiry include scientific method, scientific research design, statistical analysis, and publication processes. Addresses why scientific inquiry cannot be separated from sociocultural influences and concerns. Examples drawn from research on health-related issues.		x	health, human health, ethics, society, social
Physical Sciences	Chemistry	Undergraduate	CHEM 141	Environmental Chemistry	Processes that control the fate of chemicals in the environment. Chemistry of the atmosphere, hydrosphere, and soils, especially as it pertains to pollutants.	x		soil, pollution, atmosphere, hydrologic cycle, water, water quality, air quality, soil, soil quality, environment, contamination
Physical Sciences	Chemistry	Undergraduate	CHEM 145A	Gas-Phase Atmospheric Chemistry	Sources, chemistry, sinks, and measurements of key atmospheric gaseous species. Chemistry of photochemical oxidant formation, transformation of key inorganic and organic trace gases, and stratospheric ozone cycling. Applications of atmospheric chemistry models to control strategies.	x		greenhouse gases, pollution, troposphere, atmosphere, ozone layer, gas, air quality, air pollution, air, ultraviolet radiation, solar
Physical Sciences	Chemistry	Undergraduate	CHEM 1B	General Chemistry	General chemistry with applications to life sciences, physical sciences, and engineering. Properties of gases, liquids, solids; intermolecular forces; changes of state; properties of solutions; stoichiometry; thermochemistry; and thermodynamics. Students learn about CFCs, the ozone layer, atmospheric chemistry, energy, solar radiation, greenhouse gases, and catalysis.		x	chlorofluorocarbons, ozone layer, atmospheric chemistry, energy, solar, ultraviolet radiation, greenhouse gases, catalysis
Physical Sciences	Chemistry	Undergraduate	CHEM 1C	General Chemistry	General chemistry with applications to life sciences, physical sciences, and engineering. Equilibria, aqueous acid-base equilibria, solubility equilibria, oxidation reduction reactions, electrochemistry; kinetics; special topics. Contains one lecture on batteries.		x	alternative energy, fuel, energy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Chemistry	Undergraduate	CHEM 127	Inorganic Chemistry II	Advanced treatment of selected fundamental topics in inorganic chemistry, building on material presented in Chemistry 107. Molecular symmetry with applications to electronic structure and spectroscopy. Reaction kinetics and mechanisms; inorganic synthesis and catalysis; bioinorganic chemistry. Two weeks focus on Bioinorganic Chemistry & Environmental Chemistry.		x	environmental, catalysis, environment, green laboratory
Physical Sciences	Chemistry	Undergraduate	CHEM 128	Introduction to Chemical Biology	Introduction to the basic principles of chemical biology: structures and reactivity; chemical mechanisms of enzyme catalysis; chemistry of signaling, biosynthesis, and metabolic pathways.		x	catalysis, efficiency, natural, organic
Physical Sciences	Chemistry	Undergraduate	CHEM 177	Medicinal Chemistry	An introduction of the basics of drug activity and mechanisms. Strategies used to identify lead compounds such as natural product chemistry, combinatorial chemistry, molecular modeling, and high-through put screening. Relationship of molecular structure to pharmacological activity.		x	disease, wellness, health, human health, safety
Physical Sciences	Chemistry	Undergraduate	CHEM 133	Nuclear and Radiochemistry	Advanced treatment of nuclear structure, nuclear reactions, and radioactive-decay processes. Introduction to nuclear activation analysis, isotope effects, radiation chemistry, hot-atom chemistry, nuclear age-dating methods, nuclear reactors, and nuclear power. The students learn about nuclear energy as energy source with a negligible greenhouse gas footprint and the nuclear fuel cycle from uranium mining to nuclear waste management is covered in this class. I invite a colleague for a guest lecture on "Zero-Carbon Power."		x	nuclear power, radioactive, greenhouse gas, emissions, clean energy, carbon neutrality, power, alternative energy
Physical Sciences	Chemistry	Undergraduate	CHEM 133	Nuclear and Radiochemistry	Advanced treatment of nuclear structure, nuclear reactions, and radioactive-decay processes. Introduction to nuclear activation analysis, isotope effects, radiation chemistry, hot-atom chemistry, nuclear age-dating methods, nuclear reactors, and nuclear power. The students learn about nuclear energy as energy source with a negligible greenhouse gas footprint and the nuclear fuel cycle from uranium mining to nuclear waste management is covered in this class. I invite a colleague for a guest lecture on "Zero-Carbon Power."		x	nuclear power, clean energy, carbon footprint, carbon neutrality, waste management, radioactive, reactor, greenhouse gas

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Physical Sciences	Chemistry	Undergraduate	CHEM 51A	Organic Chemistry	Fundamental concepts relating to carbon compounds with emphasis on structural theory and the nature of chemical bonding, stereochemistry, reaction mechanisms, and stereoscopic, physical, and chemical properties of the principal classes of carbon compounds.		x	organic, solvent, nature, natural, carbon, hydrogen
Physical Sciences	Chemistry	Undergraduate	CHEM 51B	Organic Chemistry	Fundamental concepts relating to carbon compounds with emphasis on structural theory and the nature of chemical bonding, stereochemistry, reaction mechanisms, and stereoscopic, physical, and chemical properties of the principal classes of carbon compounds.		x	organic, solvent, nature, natural, carbon, hydrogen
Physical Sciences	Chemistry	Undergraduate	CHEM 51C	Organic Chemistry	Fundamental concepts relating to carbon compounds with emphasis on structural theory and the nature of chemical bonding, stereochemistry, reaction mechanisms, and stereoscopic, physical, and chemical properties of the principal classes of carbon compounds.		x	organic, solvent, nature, natural, carbon, hydrogen
Physical Sciences	Chemistry	Undergraduate	CHEM 193	Research Methods	Explores tools of inquiry for developing and implementing science research projects. Students undertake independent projects requiring data collection, analysis, and modeling, and the organization and presentation of results. Additional topics include ethical issues and role of scientific literature.		x	ethics, ethical, humane
Physical Sciences	Chemistry	Undergraduate	CHEM H90	The Idiom and Practice of Science	A series of fundamental and applied problems in the chemical sciences are addressed. Topics may include the periodic table, electronic structure of atoms, chemical bonding, molecular structure, thermodynamics, and kinetics, with applications to energy and the environment, and/or biochemistry.		x	environment, energy, efficiency
Physical Sciences	Earth System Science	Undergraduate	ESS 23	Air Pollution: From Urban Smog to Global Change	Air pollution occurs on regional to global scales. A wide range of air pollution sources and physical, chemical, and meteorological sciences behind air pollution are introduced. The consequences of air pollution to our society are also discussed.	x		earth, earth system, urban, air pollution, society, human health, air, pollution, contamination, smog
Physical Sciences	Earth System Science	Undergraduate	ESS 118	Analysis, Modeling, and Visualization of Multidimensional Environmental Data	Students learn programming and numerical methods in Python with applications in Earth System Science and ecology. Topics include regression, uncertainty and significance, the development of simple box models, and the visualization of multi-dimensional climate and satellite datasets.	x		climate dynamics, climate-related, environmental, environment

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Physical Sciences	Earth System Science	Undergraduate	ESS 115	Aquatic Field Methods	Students design sampling plans, conduct field research techniques, and carry out data analyses that are relevant to aquatic field research. Aquatic field sites covered in the course include marine, estuarine, and fluvial systems.		x	ocean, marine, marine resources, freshwater, water resources, water, water quality
Physical Sciences	Earth System Science	Undergraduate	ESS 142	Atmospheric Chemistry	Chemistry of the troposphere and stratosphere. Topics include processes controlling the lifetime and reaction pathways of chemicals in the atmosphere, the role of the atmosphere in biogeochemical cycles, and interactions between atmospheric chemistry and the physical climate system. Course also discusses how science informs policy relating to air quality and stratospheric ozone (Clean Air Act, Montreal Protocol).	x		earth, earth system, atmosphere, gas, emissions, atmospheric chemistry, air quality, ozone layer, public policy, law and regulation, troposphere
Physical Sciences	Earth System Science	Undergraduate	ESS 122	Atmospheric Dynamics	Fluid dynamical processes that determine the large-scale flow of the atmosphere and ocean. Most important are interactions between the density stratification and the Coriolis force associated with Earth's rotation. Topics include circulation, vorticity, planetary waves, and their role in climate.	x		climate dynamics, atmosphere, ocean, water, hydrologic cycle, precipitation, climate-related, climate change, earth system
Physical Sciences	Earth System Science	Undergraduate	ESS 192	Careers in Earth System Science	A weekly seminar course designed to help students transition to post-graduation career paths. Topics include designing effective resumes, applying to graduate school, and seeking employment. Also includes presentations by faculty, business, and government leaders describing potential environmental science career trajectories.		x	environmental, earth system, environment
Physical Sciences	Earth System Science	Undergraduate	ESS 146	Consequences of Air Pollution	From public health to the global climate system, this course explores the impacts of air pollution from the beginning of human history to current and emerging issues. Scientific concepts behind air pollution and solutions are discussed.	x		earth, earth system, air pollution, air quality, public policy, public health, climate
Physical Sciences	Earth System Science	Undergraduate	ESS 177W	Documenting and Understanding Earth System Change	Students select a time series of key environmental interest as the focus for their writing. They become familiar with common writing practices for the Earth Sciences, and exercise their ability to use the scientific method to produce reports.	x		environment, environmental, earth system, climate change, adapt

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Physical Sciences	Earth System Science	Undergraduate	ESS 40B	Earth System Biology	Earth System Science is a highly interdisciplinary field that requires knowledge of various components of the Earth as a system, including the biosphere. Students are introduced to several fundamental principles of biology, from the smallest cells to the largest ecosystems.	x		earth system, ecosystem, biosphere, nature, natural
Physical Sciences	Earth System Science	Undergraduate	ESS 40A	Earth System Chemistry	To understand the cycling of matter on Earth, we need to learn about the chemistry of elements and molecules in the environment. Introduces students to the understanding of how chemical principles apply in context to their everyday lives. Course also incorporates sustainable energy, batteries and others.	x		earth system, harmony with nature, respect for nature, earth, environment, sustainable, energy, alternative energy
Physical Sciences	Earth System Science	Undergraduate	ESS 40C	Earth System Physics	Covers the fundamental physical forces and laws that affect the Earth system, such as electromagnetic radiation and energy transfer, atmospheric and ocean dynamics. Also covers aspects of physics related to environmental issues, such as electricity generation and transmission.	x		earth system, energy, hydrologic cycle, atmosphere, ocean, marine resources, air, environmental, electric, power, alternative energy
Physical Sciences	Earth System Science	Undergraduate	ESS 114	Earth System Science Laboratory and Field Methods	Introduction to methods used to measure exchange of gases and energy between the atmosphere and terrestrial ecosystems. Laboratories include data acquisition and isotopic and chromatographic analysis. Field measurements at UCI's Marsh Reserve include microclimate, hydrology, trace-gas exchange, and plant growth.	x		earth, earth system, emissions, environment, gas, ecosystem, energy, atmosphere
Physical Sciences	Earth System Science	Undergraduate	ESS 55	Earth's Atmosphere	Composition, physics, and circulation of Earth's atmosphere with an emphasis on explaining the role of atmospheric processes in shaping the climate system. Topics include atmospheric composition, the global energy balance, radiative transfer and climate, atmospheric circulation, and climate sensitivity. Course teaches the processes and feedbacks that cause and amplify global atmospheric warming and change.	x		earth, earth system, atmosphere, global, climate change, energy, global warming, climate-related
Physical Sciences	Earth System Science	Undergraduate	ESS 164	Ecosystem Ecology	A mechanistic perspective on ecosystem processes. Covers ecosystem development, element cycling, and interactions with plants and microbes. The course theme focuses on climate change, environmental solutions, and awareness of sustainability issues impacting land-based ecosystems.	x		earth, earth system, ecosystem, carbon cycle, sustainability, environment, climate change, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Earth System Science	Undergraduate	ESS 154	Ecosystem Services	Covers what ecosystem services are, how to classify them, what the impacts of land degradation are on ecosystem services, how to quantify and value them, and the importance of mainstreaming ecosystem services in decision-making.	x		respect for nature, resources, ecosystem, earth system, responsive decision-making, harmony with nature
Physical Sciences	Earth System Science	Undergraduate	ESS H30B	Environmental Issues Affecting the Sustainability of Societies I	Focuses on several environmental challenges facing the world today, and explores the problem, possible solutions, and their scientific, technical, and social constraints. Models for systems, their assumptions, predictive uncertainty, and interpretation, play a large role. This class introduces students to the science behind climate change and the potential solutions from a scientific/technological and policy/business perspective.	x		sustainable, sustainability, climate change, climate-related, policy, public policy, social, society
Physical Sciences	Earth System Science	Undergraduate	ESS H30C	Environmental Issues Affecting the Sustainability of Societies II	Focuses on how we can use Earth's resources, e.g., food and water, in a more sustainable way, exploring their scientific, technical, and social constraints. In this class, students investigate what it will take to provide clean freshwater and enough food to 9 billion people by 2050 from a science/technology and policy/business perspective.	x		sustainable, sustainability, climate change, climate-related, policy, public policy, social, society, food, resources, water, water supply
Physical Sciences	Earth System Science	Undergraduate	ESS 134	Fundamentals of GIS for Environmental Science	Introduction to Geographic Information Systems (GIS). Topics include fundamentals of cartography, creating/editing GIS data, linking spatial and tabular data, georeferencing, map projections, geospatial analysis, spatial statistics, and the development of GIS models. Examples from hydrology, ecology, and geology.	x		earth, earth system, ecology, hydrology, water, ecosystem, environment
Physical Sciences	Earth System Science	Undergraduate	ESS 112	Global Climate Change and Impacts	Observations over the 20th century show extensive changes in atmospheric composition, climate and weather, and biological systems that have paralleled industrial growth. Evidence of globally driven changes in these biogeochemical systems is studied, including projected impacts over the 21st century.	x		earth, earth system, global, climate change, environment, global warming, atmosphere, weather

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Physical Sciences	Earth System Science	Undergraduate	ESS 17	Hurricanes, Tsunamis, and Other Catastrophes	Introduction to the basic science and state of predictability of various natural catastrophic events including earthquakes, volcanic eruptions, tsunamis, landslides, floods, hurricanes, fires, and asteroid impacts and their interactions and implications with human society in the U.S. and globally.	x		disaster, resilience, emergency preparedness, environmental hazards, flood, flooding, society, global, international, natural, environment, earth system
Physical Sciences	Earth System Science	Undergraduate	ESS 1	Introduction to Earth System Science	Covers the origin and evolution of the Earth, its atmosphere, and oceans, from the perspective of biogeochemical cycles, energy use, and human impacts on the Earth system. This class introduces students to the way that our Earth system interacts in a way that produces a habitable planet. The course also investigates how humans are affecting the Earth and its resources (e.g., groundwater overuse, ecosystem damage, and climate change).	x		earth, earth system, atmosphere, ocean, environment, energy use, resources, groundwater, climate change, ecosystem
Physical Sciences	Earth System Science	Undergraduate	ESS 116	Introduction to Environmental Data Science	Analysis and interpretation of geophysical data, including functional fitting, probability density functions, and multidimensional time-series methods, with applications in atmospheric, oceanic, and biogeochemical sciences.		x	atmosphere, ocean, marine resources, environment, earth system
Physical Sciences	Earth System Science	Undergraduate	ESS 15	Introduction to Global Climate Change	Introduction of scientific, technological, environmental, economic, and social aspects underlying the threat and understanding of global climate change. Human and natural drivers of climate. Impacts of climate on natural, managed, and human systems, including their vulnerability and ability to adapt. Encourages global thinking to bring back to their own areas of study.	x		earth, earth system, climate change, global, economic, environment, social, global dialogue, adapt, vulnerable, natural
Physical Sciences	Earth System Science	Undergraduate	ESS 51	Land Interactions	The role of terrestrial processes in the Earth system. Provides an introduction to ecosystem processes that regulate the cycling of energy, water, carbon, and nutrients. Analysis of the impact of human activities.	x		earth, earth system, ecosystem, energy, water, carbon cycle, nutrients, environment, nature
Physical Sciences	Earth System Science	Undergraduate	ESS 148	Marine Ecosystems and Global Change	Presents an overview of marine ecosystem structure, diversity, and processes in the context of global change, including the impacts of climate warming, ocean acidification, marine fisheries, and anthropogenic additions of nutrients and pollutants.	x		earth, earth system, ocean, global warming, climate, ocean acidification, marine acidity, marine life, marine resources, pollutants, biodiversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Earth System Science	Undergraduate	ESS 144	Marine Geochemistry and Biogeochemistry	Processes controlling the major and minor element composition of seawater and element distributions in the ocean. Gas exchange, carbon dioxide system, stable isotopes, radionuclides as tracers and chronometers, particle fluxes, organic geochemistry, sediment geochemistry, global cycles of biogeochemically important elements.		x	water, ocean, marine resources, carbon cycle, hydrologic cycle, atmosphere, gas, carbon dioxide, carbon, gas, emissions, earth system
Physical Sciences	Earth System Science	Undergraduate	ESS 53	Ocean Biogeochemistry	Overview of oceanography for those interested in Earth System Science. Focus is on physical, chemical, and biological processes that drive biogeochemical cycling in the oceans. Coastal systems are also reviewed, with an emphasis on California waters.		x	oceans, hydrologic cycle, water, water resources, marine resources, earth system, earth
Physical Sciences	Earth System Science	Undergraduate	ESS 3	Oceanography	Examines circulation of the world oceans and ocean chemistry as it relates to river, hydrothermal vent, and atmospheric inputs. Geological features, the wide variety of biological organisms, and global climate changes, such as greenhouse warming, are also studied. Each week included an ocean-related sustainability topic such as offshore wind power, plastic pollution etc.	x		ocean, water, water resources, marine resources, water supply, greenhouse gas, global warming, climate change, sustainability, wind energy, power, pollution, plastic waste, atmosphere, earth system, freshwater, interdependent
Physical Sciences	Earth System Science	Undergraduate	ESS 21	On Thin Ice: Climate Change and the Cryosphere	Introduction of the basic science that governs the cryosphere and its interaction with the climate system. Covers some of the significant economic, sociological, and political consequences of the recent melting of the cryosphere driven by anthropogenic climate change. This class introduces students to the science of climate change and specifically how climate change will affect the frozen parts of the Earth system. Students investigate how these changes will affect ecosystem and society (e.g., through changing streamflows and sea level rise).	x		earth, earth system, climate change, ice, sea ice, melt, economic, sea level rise, water, ocean
Physical Sciences	Earth System Science	Undergraduate	ESS 7	Physical Geology	Introduction to Earth materials and processes. Topics include rocks and minerals, plate tectonics, volcanoes, earthquakes, Earth surface processes, Earth resources, geologic time, and Earth history. Laboratory work involves hands-on study of geologic materials, maps, and exercises pertaining to geologic processes.		x	geography, disaster, earth system, natural, earth, resources

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Earth System Science	Undergraduate	ESS 130	Physical Oceanography	Physical processes that determine the distribution of water properties such as salt and temperature. Fluid-dynamical underpinnings of physical oceanography. Wave motions. The wind-driven and thermohaline circulation. Similarities and differences between ocean and atmosphere dynamics.	x		water, ocean, marine resources, water supply, atmosphere, precipitation, troposphere, ocean temperature, hydrologic cycle, earth system, natural system
Physical Sciences	Earth System Science	Undergraduate	ESS 168	Physiological Plant Ecology	An examination of the interactions between plants and their environment. Emphasis on the underlying physiological mechanisms of plant function, adaptations and responses to stress, and the basis of the distribution of plants and plant assemblages across the landscape.		x	environment, interdependent, ecology, landscape, adapt, resiliency, water stress, nature, natural
Physical Sciences	Earth System Science	Undergraduate	ESS 138	Satellite Remote Sensing for Earth System Science	Satellite remote sensing data are increasingly used to study the Earth system. Provides an overview of the principles behind remote sensing, and the types of satellite data available for study of the oceans, land, and atmosphere. Course identifies sample remote sensing methods useful in detecting and quantifying anthropogenic disturbances such as fires, deforestation, and air pollution.	x		earth, earth system, ocean, deforestation, fire, ecosystem, environment, atmosphere
Physical Sciences	Earth System Science	Undergraduate	ESS 133	Soil: It's the Good Dirt	An introduction to the critical role soils play in sustaining land ecosystems and humans. Covers how soils form and how human actions contribute to the pollution and loss but also the health and productivity of soils.	x		soil, soil quality, pollution, health, environment, interdependent, sustainability, ecosystem, earth system
Physical Sciences	Earth System Science	Undergraduate	ESS 70A	Sustainable Energy Systems	Addresses how modern energy services can be provided sustainably and the challenges and barriers that must be overcome. Major environmental issues are discussed, such as climate change, air pollution, and resource demands.	x		earth, earth system, sustainable, energy, air pollution, resource, renewable energy, environment
Physical Sciences	Earth System Science	Undergraduate	ESS 70B	Sustainable Food and Water Systems	Explores the biophysical underpinnings of food production, the history of agricultural development, and a range of environmental issues facing agricultural systems, including water management, climate change, and land use.	x		sustainable, food, water, agriculture, farm, climate change, water supply, land use

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Earth System Science	Undergraduate	ESS 132	Terrestrial Hydrology	Comprehensive treatment of modern conceptual and methodological approaches to hydrological science. Combines qualitative understanding of hydrological processes with quantitative representation, approaches to measurement, and treatment of uncertainty. Components of the hydrological cycle and their linkages within the coupled Earth system. Students learn about the processes by which water reaches and moves through our landscapes. The course discusses how the distribution of water and transfers such as infiltration and streamflow are changing due to climate change and other human activities (e.g., urbanization, agriculture, and how this will affect the water resources available to society).	x		hydrologic cycle, society, water, water resources, water scarcity, water supply, climate change, urbanization, urban, agriculture, water harvesting, water stress, earth system, earth, precipitation, adapt, land use, groundwater
Physical Sciences	Earth System Science	Undergraduate	ESS 5	The Atmosphere	The composition and circulation of the atmosphere with a focus on explaining the fundamentals of weather and climate. Topics include solar and terrestrial radiation, clouds, and weather patterns.	x		earth, earth system, atmosphere, climate, weather, solar
Physical Sciences	Earth System Science	Undergraduate	ESS 156	The Future of Forests	Introduces students to the determinants of global forest distribution; ecosystem services associated with forest functioning; threats to forests resulting from climate and land-use change; and, opportunities for conserving natural forests in the near future.	x		reforestation, deforestation, global, earth system, climate, land-use, interdependent, conservation, future generations, protect and restore, climate-related, carbon cycle
Physical Sciences	Earth System Science	Undergraduate	ESS 162	The Impact of Climate Change on California's Landscape	Overview of anticipated impacts of climate change on California's landscape. Includes projections of future climate; anticipated impacts on ecology, hydrology, wildfire, coastal environment, and agriculture; and efforts to reduce greenhouse gas emissions or adapt to climate change through land management.	x		earth, earth system, climate change, local communities, hydrology, wildfire, ocean, marine, environment, agriculture, greenhouse gas, emissions, reduction, adapt, land use

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Earth System Science	Undergraduate	ESS 124	Weather Analysis	Provides an overview of weather systems in midlatitudes and tropics. The fundamental dynamics possible for these weather systems are described. Elementary weather analysis and forecasting techniques are introduced.	x		weather, climate-related, global, troposphere, hydrologic cycle, wind, precipitation, climate change, global warming, international, global consequences
Physical Sciences	Mathematics	Undergraduate	MATH 5A	Calculus for Life Sciences	Differential calculus with applications to life sciences. Exponential, logarithmic, and trigonometric functions. Limits, differentiation techniques, optimization and difference equations.		x	life systems, ecological systems, life cycle
Physical Sciences	Mathematics	Undergraduate	MATH 5B	Calculus for Life Sciences	Integral calculus and multivariable calculus with applications to life sciences. Integration techniques, applications of the integral, phase plane methods and basic modeling, basic multivariable methods.		x	life systems, ecological systems, life cycle
Physical Sciences	Mathematics	Undergraduate	MATH 184	History of Mathematics	Topics vary from year to year. Some possible topics: mathematics in ancient times; the development of modern analysis; the evolution of geometric ideas. Students will be assigned individual topics for term papers.		x	international, cultural heritage, culture, diversity
Physical Sciences	Mathematics	Undergraduate	MATH 115	Mathematical Modeling	Mathematical modeling and analysis of phenomena that arise in engineering physical sciences, biology, economics, or social sciences.		x	social, economic, environmental engineering
Physical Sciences	Mathematics	Undergraduate	MATH 113A	Mathematical Modeling in Biology	Discrete mathematical and statistical models; difference equations, population dynamics, Markov chains, and statistical models in biology. Lectures include population, biological systems, and blood cell counts.		x	living beings, population, population change, nature, human health
Physical Sciences	Mathematics	Undergraduate	MATH 113B	Mathematical Modeling in Biology	Linear algebra; differential equations models; dynamical systems; stability; hysteresis; phase plane analysis; applications to cell biology, viral dynamics, and infectious diseases. Lectures include bacteria and population growth.		x	bacteria, population, population change, nature, disease
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 20B	Cosmology: Humanity's Place in the Universe	An overview of the origin, evolution, and ultimate fate of the Universe. Galaxies and dark matter. The Big Bang and dark energy. Ancient world models.		x	origins of life, energy, future generations

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 120	Electronics for Scientists	Applications of modern semiconductor devices to physical instrumentation. Characteristics of semiconductor devices, integrated circuits, analog and digital circuits.		x	energy, future generations, electric, efficiency
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 14	Energy and the Environment	The physics of society's energy production and consumption, and of their influences on the environment. Topics include fossil and renewable energy resources; nuclear power; prospects for a hydrogen economy; efficient and environmentally benign transportation; efficient home and commercial energy usage.	x		energy, environment, fossil fuel, transportation, nuclear power, renewable energy, hydrogen, hydrogen economy, economy
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 18	How Things Work	Survey of the physical basis of modern technology, with an emphasis on electronics and materials. Topics include power generation and distribution, communication (radio, TV, telephone, computers, tape recorders, CD players), imaging (optics, x-rays, MRI), and modern materials (alloys, semiconductors, superconductors).		x	electric, power, energy
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 133	Introduction to Condensed Matter Physics	Phenomena of solids and their interpretation in terms of quantum theory.		x	energy, earth, origins of life, nature
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 137	Introduction to Cosmology	Solution of the differential equations governing the expansion of the Universe. Observational determinations of the parameters governing the expansion. Big Bang inflation, primordial nucleosynthesis, and cosmic microwave background. Dark matter, dark energy, and large-scale structure of the Universe.		x	energy, origins of life
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 20E	Life in the Universe	An overview of the scientific quest to discover life elsewhere in the universe. Topics include the origin of life on Earth, Mars, extra-solar planets, interstellar travel, and extra-terrestrial intelligence.		x	origins of life, travel, biodiversity
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 135	Plasma Physics	Basic concepts, orbits, kinetic and fluid equations, Coulomb collisions, fluctuations, scattering, radiation.		x	ultraviolet radiation, heat, nuclear power, clean energy, solar energy, solar

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 113A	Quantum Physics 1	Inadequacy of classical physics; time independent and time dependent Schrodinger equation; systems in one, two, and three dimensions; matrices; Hermitian operators; symmetries; angular momentum; perturbation theory; scattering theory; applications to atomic structure; emphasis on phenomenology.		x	energy, earth, origins of life, nature
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 113B	Quantum Physics 2	Inadequacy of classical physics; time independent and time dependent Schrodinger equation; systems in one, two, and three dimensions; matrices; Hermitian operators; symmetries; angular momentum; perturbation theory; scattering theory; applications to atomic structure; emphasis on phenomenology.		x	energy, earth, origins of life, nature
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 113C	Quantum Physics 3	Inadequacy of classical physics; time independent and time dependent Schrodinger equation; systems in one, two, and three dimensions; matrices; Hermitian operators; symmetries; angular momentum; perturbation theory; scattering theory; applications to atomic structure; emphasis on phenomenology.		x	energy, earth, origins of life, nature
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 20D	Space Science	Space exploration. Human missions to the moon, Mars, and beyond. Space stations, observatories, and deep-space probes. Robots and drones on distant worlds. Propulsion mechanisms, rockets, space flight, and the dangers of solar radiation.		x	ultraviolet radiation, energy, power, efficiency, safety, travel
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 115A	Statistical Physics	Microscopic theory of temperature, heat, and entropy; kinetic theory; multicomponent systems; quantum statistics.		x	heat, energy, earth, environment, natural
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS H90	The Idiom and Practice of Science	A series of fundamental and applied scientific problems of social relevance. Possible topics include Newton's Law, calculus, earthquake physics, and radiation.		x	ultraviolet radiation, emergency preparedness, disaster, natural, social
Physical Sciences	Physics and Astronomy	Undergraduate	PHYS 60	Thermal Physics	Introduction to thermodynamics and systems of many particles. Topics include first and second laws of thermodynamics, ideal gas laws, kinetic theory, heat engines and refrigerators, thermodynamic potentials, phase transitions, dilute solutions, chemical equilibrium, and basic statistical distributions.		x	efficiency, energy, gas, electric, heat
<b>Total Physical Sciences</b>						<b>37</b>	<b>42</b>	

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Environmental and Occupational Health	Undergraduate	PUBH 172	Climate Change and Disaster Management	Examines the social, economic, environmental, and health impacts of anthropogenic climate change through engaged learning that integrates practice and theory. The entire course is based upon the prevention and management of climate change-related disasters. Sustainability policies and practices are at the core of the class.	x		climate change, emergency preparedness, disaster, sustainability, resiliency
Public Health	Environmental and Occupational Health	Undergraduate	PUBH 161	Environmental Geology	Introduction to geologic principles and applications to environmental problems. Topics include: tectonic processes, earth materials, soils, river processes, groundwater, the coastal environment, slope failures, seismic hazards, mineral resources, and land-use evaluation based on geologic conditions. Examples from case studies.	x		water, environment, disaster, groundwater, water, resources, depletion of resources, marine resources, ocean, local materials, earth, earth system, public health, environmental hazards
Public Health	Environmental and Occupational Health	Undergraduate	PUBH 171	Human Exposure to Environmental Contaminants	Introduces origins of human's realization that chemicals in the environment may adversely affect health. Introduces the theory and principles of exposure assessment. Covers estimation of exposure, variability of measures, the way exposure assessment is incorporated into the risk-assessment paradigm.	x		environmental, contamination, pollution, unintentional poisoning, human health, air pollution, air, air quality, soil contamination, water quality, environment, interdependent, environmental hazards
Public Health	Environmental and Occupational Health	Undergraduate	PUBH 163	Introduction to Environmental Health Science	Focuses on processes of exposure to environmental toxins/agents and their impact to human health and the environment. Media transport, exposure assessment, susceptibility, behavior, and health effect of several toxins are discussed. Climate change and sustainability are also covered in this course.	x		environmental, health, toxic, human health, vulnerable, climate change, sustainability
Public Health	Environmental and Occupational Health	Undergraduate	PUBH 30	Introduction to Urban Environmental Health	Study of natural and physical components of earth's environmental problems due to human activities. Topics include global air, water, soil, biodiversity, rainforests, energy, demographics, agriculture, and urbanization. Theme is sustainability. Integrated into the science are social, legal, and economic considerations.	x		urban, environment, air, air pollution, air quality, water, water pollution, soil contamination, agriculture, urbanization

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Public Health	Environmental and Occupational Health	Undergraduate	PUBH 90	Natural Disasters	Natural disasters are natural Earth processes that adversely affect humans. Topics include tectonics, earthquakes, tsunami, volcanoes, landslides, severe weather, flooding, coastal processes, wildfire, related topics, and use of GIS for hazard and risk assessment.	x		natural, disaster, emergency preparedness, weather, severe weather, ocean, wildfire, environmental hazard
Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 107	Epidemiology of Drug Use and Misuse	Applies epidemiologic concepts to the use and misuse of licit/illicit substances. Emphasizes descriptive aspects of drug use and determinants of progressing from experimental use to misuse. Assesses subgroups of abusers, risk factors, trends, and surveillance techniques for estimating drug prevalence.		x	safety, hazardous substances, well-being, health, unintentional poisoning, toxic
Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 180	Epidemiology of Infectious Disease	Examines the distribution of infectious disease and the health and disease risk among human populations. Introduces basic methods for infectious disease epidemiology. Case studies of important diseases, including HIV and malaria, are conducted.		x	disease, health, population, HIV infections, malaria, human health
Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 101	Introduction to Epidemiology	The distribution of disease and injury across time, space, and populations. Covers basic concepts and methods of descriptive epidemiology including the natural history of disease, data, and indices of health.		x	disease, population, health, human health, bodily health, preventable death, public health
Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 105	Introduction to Medical Informatics	Broad overview of medical informatics for students with varied backgrounds. Electronic medical records, online resources, mobile technologies, patient safety, and computational design. Legal, ethical, and public policy issues. Health systems management. Evaluation and fieldwork for health systems.		x	public policy, diversity, safety, ethical, law and regulation, health, human health
Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 7A	Public Health Statistics I	Introduces the development and application of statistical reasoning and methods in addressing, analyzing, and solving problems in public health, health care, and biomedical, clinical, and population-based research and practice.		x	health, public health, population
Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 7B	Public Health Statistics II	Introduces the development and application of statistical reasoning and methods in addressing, analyzing, and solving problems in public health, health care, and biomedical, clinical, and population-based research and practice.		x	health, public health, population

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Public Health	Epidemiology and Biostatistics	Undergraduate	PUBH 102	Social Epidemiology	Overviews evidence linking environmental factors to mental and physical disorders including such variables as socioeconomic status, income inequality, work stress, job loss, social capital, location, and other demographic characteristics. Measurement and research design issues of both individual and aggregate levels.	x		inequality, gender pay gap, unemployment, capital, social, environmental, human health
Public Health	Health, Society, and Behavior	Undergraduate	PUBH 125	Foundations of Community Health	A social ecological framework for understanding community health is presented. Measures of individual and community health are compared, and the influence of personal and environmental factors on individual, group, and population health is examined. Community health promotion strategies are discussed.	x		community, health, human health, population, social, ecology, environmental, environment
Public Health	Health, Society, and Behavior	Undergraduate	PUBH 135	Medical Sociology	Current problems in U.S. health-care system and proposals for reform. Examines financial barriers to access; problem of patient dumping; underinsurance; prenatal and perinatal care; child services; preventative care and needs of the elderly; minorities; low-income people; undocumented.		x	social change, equity, the poor, wellness, well-being, disparities, discrimination, minorities, poverty, family planning, reproductive health, human health, bodily health, health
Public Health	Health, Society, and Behavior	Undergraduate	PUBH 91	Disparities in Health Care	Student participatory course practicing initiation, planning, and coordination of various speakers on the subject of Disparities in Health Care.		x	health, human health, disparities, inequality, equal access, equality, equity, planning
Public Health	Health, Society, and Behavior	Undergraduate	PUBH 144	Health Behavior Theory	Introduces theoretical perspectives from the social sciences to understand health behavior from the vantage point of individuals, their interpersonal contacts, communities, and ecological contexts. Application of theory to public health problems is a central focus.	x		health, communities, public health, social, ecology, ecological systems
Public Health	Health, Society, and Behavior	Undergraduate	PUBH 148	Public Health Communication	Theoretical underpinnings and practical applications of communication sciences in public health practice. Techniques of effective communication, including fear appeal and deterrence; social marketing; public-private partnerships; health service delivery; and outreach in rural and urban settings, and for international health strategies.		x	social, public health, rural infrastructure, urban, international, cultural diversity, culture, health, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Population Health and Disease Prevention	Undergraduate	PUBH 122	Health Policy	Considers social and economic aspects of health and disease in the United States. What are the proper roles of the individual, community, and government in improving health and health care? International comparisons will be made wherever possible.		x	economic, disease, health, international, policy, human health, community
Public Health	Population Health and Disease Prevention	Undergraduate	PUBH 174	Global Health Ethics	Provides a foundation for understanding and application of key issues	x		global, public health, disease, human health, ethics, moral and spiritual education
Public Health	Population Health and Disease Prevention	Undergraduate	PUBH 177	Global Health Policy and Diplomacy	Fundamental principles and consequences of global health policy and diplomacy, including governance structure, functions, analysis, advocacy, and outcomes. Emphasizes practical application of multilateral policies for global health security and responses to transnational threats such as pandemics, climate, pollution, and migration.	x		global, public health, governance, climate, pollution, migration, international, global health risks, policy
Public Health	Population Health and Disease Prevention	Undergraduate	PUBH 170	Introduction to Global Health	Provides a foundational interdisciplinary understanding of global health issues and their importance to various societal goals, including poverty reduction, economic productivity, and peace promotion. Covers major communicable and non-communicable diseases and demographic patterns of disease burden. The United Nations Sustainable Development Goals address global health topics that the course covered.	x		global, health, human health, poverty, reduction, economic, communicable disease, disease, sustainable, development
Public Health	Population Health and Disease Prevention	Undergraduate	PUBH 120	Nutrition and Global Health	Global issues related to nutrition and public health. Evaluation of nutritional risk factors associated with the development of chronic diseases and the role of nutritional medicine in prevention. Topics include food safety, communicable diseases, supplements, and regulatory issues.	x		global, health, human health, communicable diseases, law and regulation, malnutrition, global health risks, disease
Public Health	Program in Public Health Core	Undergraduate	PUBH 80	AIDS Fundamentals	Considers the biological and sociological bases of the AIDS epidemic. Topics include the history of AIDS, current medical knowledge, transmission, risk reduction, and how the community can respond.		x	AIDS, HIV infections, disease, society, global health risks, global, community
Public Health	Program in Public Health Core	Undergraduate	PUBH 2	Case Studies in Public Health Practice	Presents case studies in various themes of public health practice to demonstrate how the principles of public health were established and continue to evolve.		x	public health, human health, health

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Public Health	Program in Public Health Core	Undergraduate	PUBH 168	Nuclear Environments	Understanding the impact of the nuclear age on the environment and human health through interrelated developments of nuclear power and nuclear weapons. The early years of weapon development, catastrophic environmental pollution, perils of nuclear power in the U.S. and Russia.		x	weapons of mass destruction, nuclear power, power, disaster, pollution, environment, contamination, toxic, development, air pollution, international
Public Health	Program in Public Health Core	Undergraduate	PUBH 1	Principles of Public Health	Introduces the major concepts and principles of public health and the determinants of health status in communities. Emphasizes the ecological model that focuses on the linkages and relationships among multiple natural and social determinants affecting health.	x		public health, communities, social, human health, ecology, natural
Public Health	Social Ecology Core	Undergraduate	SE 189	Global Service Scholars Advanced Seminar	For students who are accepted into the Global Service Scholars Program. Provides advanced training in empathy and compassion, and prepares students for their summer international field experience.		x	global, international, culture
<b>Total Public Health</b>						<b>14</b>	<b>14</b>	
Social Ecology	Chicano/Latino Studies	Undergraduate	CHLT 157	Cuban Society and Revolution	Explores the causes, development, and legacy of the 1959 Revolution. Themes include economic dependency, democracy, race, gender, culture, and the always volatile relations between Cuba and the United States.		x	development, economic, democracy, discrimination, culture, gender-sensitive, gender equality, international, society
Social Ecology	Chicano/Latino Studies	Undergraduate	CHLT 178	Health and the Latino Paradox	Examines research and theories concerning the physical and mental health of U.S. Latino populations. Contemporary accounts, health care implications, and new directions for understanding sources of risks and resilience for health in Latino populations are evaluated and discussed.		x	resilience, health, human health, minorities, population, migrants, public health
Social Ecology	Chicano/Latino Studies	Undergraduate	CHLT 150	U.S. Intervention in Latin America	Explores political, economic, social, and cultural ties that bind Latin America to the United States. Focuses on U.S. intervention and Latin American response from early nineteenth century to present day. Case studies include Mexico, Guatemala, Cuba, Chile, and Central America.		x	social, economic, culture, international
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C110	Community Context of Crime	Examines the social context of high-crime communities, with special emphasis on the problems of poverty, joblessness, economic inequality, and racial discrimination. Assesses debates on the causes of these problems, and on the most effective policies to combat them.		x	poverty, discrimination, inequality, economic, public policy, policy, unemployment, communities, safe, safety

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C122	Constitutional Law	Examines the evolution of civil liberties and individual rights in the United States, focusing on how Constitutional Amendments and U.S. Supreme Court decision-making have shaped the ongoing political and legal struggles over issues such as privacy, abortion, and free speech.		x	basic rights, reproductive rights, human rights, rights, representative decision-making, effective governance, justice, governance, freedom of expression, freedom of opinion, law and regulation
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C106	Crime and Public Policy	Explores nature and dimensions of crime in America and uses and limits of various strategies to control it. Topics include growth of imprisonment, the problem of domestic violence, the death penalty, gun control, and the potential of crime prevention programs.		x	violence, illicit arms, preventable death, organized crime, public policy, safety
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C162	Crime Hotspots	Criminological theories of local public safety hazards or hotspots are introduced. Spatial statistics are developed for different types of hotspots. Hotspot policing theories are introduced and research on the effectiveness of policing strategies is reviewed.		x	safety, poverty, justice, discrimination, minorities
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C167	Crime Measurement	The strengths and weaknesses of three crime measures (police reports, victim surveys, and offender self-reports) are illustrated through analyses of research articles. Common measurement problems are analyzed with a focus on reliability and validity.		x	violence, safety, justice, society, discrimination
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C108	Criminological Theory	Explores the question of crime causation from a number of theoretical perspectives in the social sciences. Schools of thought examined include utilitarianism, positivism, human ecology, social structural approaches, social process (learning) theories, labeling, and radical-critical (political) perspectives.		x	discrimination, ecology, law and regulation, governance, social, safety
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C107	Deviance	Perspectives on deviance and criminality in behavior, institution, community, and myth. The suitability of contemporary theories of deviant behavior.		x	community, behavioral change, justice

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C168	Extreme Punishment	Explores the history and law of America's Eighth Amendment prohibition against cruel and unusual punishment, examining the death penalty, long prison sentences, harsh confinement conditions, and other punishments. Students debate practical, legal, and moral arguments for and against these punishments.		x	torture, basic rights, dignity, human rights, rights, law and regulation, moral and spiritual education, justice
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C132	Forensic Science, Law, and Society	Examines use of "forensic science" to resolve issues arising in criminal cases including crime scene analysis, DNA testing, fingerprints, trace evidence comparisons, profiling, lie detectors, other forensic techniques; evaluation, statistical characterization, and legal admissibility of evidence; regulation of forensic laboratories.		x	law and regulation, society
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C10	Fundamentals of Criminology, Law and Society	Introduces three interdisciplinary literatures: criminology, socio-legal studies, and justice studies. Focuses on theoretical and empirical work addressing law making, law breaking, and legal systems.		x	society, law and regulation, justice, organized crime, policy, safety, justice
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C113	Gender and Social Control	Examines the legal system's use of sex as an organizing characteristic, focusing particularly on sameness and difference feminism, and tracing the evolution of equal treatment of men and women in the areas of constitutional rights, employment, education, and military service.		x	gender-sensitive, education, basic rights, rights, gender disparities, equal rights, equality, law and regulation
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C127	Hate Crimes	Examines the causes, manifestations, and consequences of hate crimes and the larger social context within which they occur. The politics and dynamics of intergroup violence born of bigotry and manifested as discrimination; social policy designed to control bias-motivated violence.		x	social, policy, public policy, discrimination, minorities, violent, violent conflict, equality, equity
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C133	Homicide and Suicide	Examines similarities and differences among homicide and suicide, two major causes of death.		x	preventable death, violent, violent conflict, illicit arms, conflict-related death
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C7	Introduction to Criminology, Law and Society	Introduces characteristics of the U.S. criminal justice system, including responses to crime, components of the system, and current challenges to the system. Examines structure and function of police and courts, criminal procedure, and sentencing and incarceration policies.		x	organized crime, justice, law and regulation, discrimination, poverty, minorities, inequality, equity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C175	Issues in Policing	Lectures and readings focus on the history and strategies of policing, measuring the quality of policing, and police misconduct. Strategies for enhancing the quality of policing for controlling misconduct are covered.		x	corruption, justice, discrimination, safety, social, society
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C120	Law and Inequality	Various aspects of the law as related to three specific areas of inequality: immigration and immigrants, race, and gender. The role of law as a tool of social reform and limitations of the legal system historically in resolving inequality issues.		x	inequality, migrants, minorities, law and regulation, gender inequality, gender disparities, social change
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C112	Legal Sanctions and Social Control	Examination of criminal sanctions as mechanisms of social control. Includes the nature, function, and organization of courts as sanction generating institutions, and problems associated with punishing white-collar and corporate illegalities.		x	illicit financial, social, law and regulation, inequality, equity, corruption
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C114	Miscarriages of Justice	Systematically describes, explains, and analyzes the causes and consequences of the wrongful accusation, prosecution, incarceration, and sometimes even execution, of the innocent in the American criminal justice system.		x	preventable death, discrimination, safety, justice, social systems
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C139	Police and Change	Organizational efforts to modify police conduct are addressed by focusing on the history of policing in the United States including training, education, and the contributions of women.		x	gender-sensitive, equality, social change, justice, education, discrimination
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C115	Prisons, Punishment, and Corrections	A review of how the U.S. punishes and rehabilitates convicted law violators. The conflicts among the major purposes of sentencing, rehabilitation, deterrence, incapacitation, are discussed, as well as the effects of different sanctions on public safety, offender rehabilitation, and justice system costs.		x	justice, safety, discrimination, law and regulation, social cost, social systems
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C179	Race and Incarceration	Examines the racial politics of mass incarceration through historical, empirical, theoretical, and legal frameworks. Focuses on race, gender, and sexual differences to develop a critique on policing, incarceration, and other forms of punishment.		x	gender-sensitive, discrimination, gender disparities, gender inequality

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Social Ecology	Criminology, Law and Society	Undergraduate	CLS C104	Sociology of Law	Examines law creation and law enforcement in their social and political context. Discusses the major theories of law and the modern state, and presents case studies in order to evaluate the strengths and weaknesses of these theoretical perspectives.		x	law and regulation, social, governance, effective governance
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C140	Surveillance and Society	Explores the development and deployment of surveillance technologies in contemporary society. The social and legal impact of surveillance technologies, in such areas as crime control, privacy, trust, community, democracy, and the war on terror.		x	community, society, safety, social, law and regulation, development, democracy, human rights
Social Ecology	Criminology, Law and Society	Undergraduate	CLS C111	Theories of Punishment	Survey of the various schools of thought regarding formal punishment theory. The purposes of legal sanctions are examined, including those of deterrence, rehabilitation, retribution, and incapacitation. Considers problems in realizing formal goals of punishment in practice.		x	discrimination, law and regulation, policy, safety, justice
Social Ecology	Psychological Science	Undergraduate	PSCI 102C	Abnormal Psychology	Survey of disorders organized by the diagnostic categories of the American Psychiatric Association. Interdisciplinary orientation combines environmental, psychological, and organic perspectives on etiology and treatment.		x	environmental, health, development, well-being, human health
Social Ecology	Psychological Science	Undergraduate	PSCI 112D	Adolescent Development	Examines current research on the biological, social, and cultural contexts of adolescent development. Topics include the impacts of puberty, adolescents' decision-making competencies, changes in family and peer relationships, identity development, and psychosocial problems such as depression and problem behavior.		x	social, well-being, wellness, health, development, adapt, culture, responsive decision-making
Social Ecology	Psychological Science	Undergraduate	PSCI 111W	Advanced Research Methods	For students planning to conduct senior research projects or apply to graduate school in social research fields. Topics include reviewing literature, preparing a research proposal, protecting human subjects, citing scholarly work, building measures, estimating sample size, interview and presentation skills.		x	safety, social, building

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Psychological Science	Undergraduate	UPPP 114W	Advanced Research Methods	For students planning to conduct senior research projects or apply to graduate school in social research fields. Topics include reviewing literature, preparing a research proposal, protecting human subjects, citing scholarly work, building measures, estimating sample size, interview and presentation skills.		x	safety, social, building
Social Ecology	Psychological Science	Undergraduate	PSCI 136H	Behavioral Medicine	Examines biobehavioral aspects of health and illness, focusing on how stress contributes to or exacerbates disease processes. Background information on psychosomatic medicine and stress models and detailed examination of specific organ systems emphasizing the reactivity of these systems to stress.		x	health, disease, wellness, well-being, human health
Social Ecology	Psychological Science	Undergraduate	PSCI 166S	Chicano/Latino Families	Introduction to the research, literature, and issues surrounding the topic of Chicano/Latino families including cultural history, contemporary issues, organization of family, traditions, lifestyles, values, beliefs, generational differences, gender issues, ethnic identity, evolution of demographic patterns, current economic and political standings.		x	gender-sensitive, discrimination, economic, cultural heritage, culture, international, minorities, cultural diversity
Social Ecology	Psychological Science	Undergraduate	PSCI 111D	Child Development	Examines social, emotional, and intellectual growth and development between the ages of 2 and 12 years.		x	social, well-being, wellness, health, development
Social Ecology	Psychological Science	Undergraduate	PSCI 150C	Clinical Psychology	Overview of theories, assessment techniques, research methodologies, and intervention approaches in clinical psychology. Psychodynamic, behavioral, humanistic, and cognitive perspectives are examined along with ethical and professional issues.		x	ethical, wellness, well-being, health, human health
Social Ecology	Psychological Science	Undergraduate	PSCI 179S	Cultural Psychology	An examination of culture's influence on human minds. Topics include culture's impact on perception, cognition, motivation, emotion, moral reasoning, communication, and health. Addresses cultural psychology's methods, history, and place within psychology and related fields.		x	moral and spiritual education, health, human health, well-being, culture

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Psychological Science	Undergraduate	PSCI 153C	Developmental Psychopathology	Research and theory of origins, course, and outcomes of disordered behavior. Continuity and change in patterns of behavior; environmental challenges and buffers; stress/competence in children; vulnerable/invincible children; children of mentally ill parents; families at risk; childhood antecedents of adult disorders.		x	vulnerable, development, environmental, health, human health, family planning, strengthen families, well-being, behavioral change
Social Ecology	Psychological Science	Undergraduate	PSCI 174S	Error and Bias in Social Judgement	Examines how people encode, reason about, and remember social information and explores how biases and shortcomings in social perception, judgment, and memory are central to understanding both effective social functioning and many forms of maladaptive behavior and social conflict.		x	social, discrimination, behavioral change, culture of tolerance, diversity
Social Ecology	Psychological Science	Undergraduate	PSCI 193F	Family Law	Examines legal issues surrounding marriage, cohabitation, divorce, child custody and support, adoption, and the rights of parents and children in the family context. The findings of social science research are used to illuminate the legal issues.		x	family planning, rights, social, law and regulation, strengthen families
Social Ecology	Psychological Science	Undergraduate	PSCI 156C	Forensic Psychology: Advanced Seminar	Focuses on the psychology of criminal offending, particularly violent behavior. Examines violence, sexual offending, and mental disorder related to crime with regard to clinical assessment and treatment; mental health services within forensic institutions.		x	violence, gender-sensitive, justice, well-being, wellness, humane
Social Ecology	Psychological Science	Undergraduate	PSCI 192S	Health and the Latino Paradox	Examines research and theories concerning the physical and mental health of U.S. Latino populations. Contemporary accounts, health care implications, and new directions for understanding sources of risks and resilience for health in Latino populations are evaluated and discussed.		x	resilience, health, human health, minorities, population, migrants, public health
Social Ecology	Psychological Science	Undergraduate	PSCI 103H	Health Psychology	Theory and research are considered as they contribute to an understanding of the role of psychological processes in health and illness. The distinction between prevention and treatment of illness is established, and a variety of psychosocial interventions are elaborated.		x	health, human health, well-being
Social Ecology	Psychological Science	Undergraduate	PSCI 118D	Human Sexuality	A broad survey of human sexuality encompassing genetic factors, physiological and anatomical development, customary and atypical forms of behavior, reproductive processes, and cultural determinants.		x	genetic diversity, development, culture, gender-sensitive, reproductive health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Psychological Science	Undergraduate	PSCI 137H	Human Stress	Stress as a multidisciplinary topic. Biological, psychological, and sociological approaches to adaptation-related disorders. Effects of acute and chronic stress on emotions, physiology, and behavior. Methods of stress assessment, stress reduction, and intervention.		x	health, disease, wellness, well-being, human health
Social Ecology	Psychological Science	Undergraduate	PSCI 185S	Industrial-Organizational Psychology	Examines the application of social psychology to organizational settings. Topics include motivation of workers, group decision-making, leadership styles, career management, and organizational development.		x	social, representative decision-making, development, cooperation, collaborative
Social Ecology	Psychological Science	Undergraduate	PSCI 110D	Infant Development	Study of human development from conception through the first two years of life, covering processes and events in the domains of physical, social, and cognitive development.		x	health, development, well-being, wellness, social
Social Ecology	Psychological Science	Undergraduate	PSCI 192X	Introduction to Positive Psychology in Education	Positive psychology is a recent focus area within the field of psychology that explores what is positive, creative, and fulfilling in human behavior. It is the scientific study of well-being and flourishing.		x	wellness, well-being, education, development
Social Ecology	Psychological Science	Undergraduate	PSCI 9	Introduction to Psychology	Introduction to field of psychology, addressing the application of scientific methods to the study of human development, learning, memory, problem solving, perception, biological mechanisms, emotions and motivation, personality, psychopathology, and effects of diverse social and cultural contexts on human behavior.		x	diversity, development, cultural
Social Ecology	Psychological Science	Undergraduate	PSCI 193B	Juvenile Delinquency	Patterns of delinquent behavior, theories that explain behavior, current research aimed at enhancing exploratory power. Attempts to prevent and control delinquency are put in historical perspective. Development of the current juvenile justice system and evolution of modern juvenile law.		x	justice, behavioral change, power, development, law and regulation
Social Ecology	Psychological Science	Undergraduate	PSCI 192V	Language and Literacy	Addresses the linguistic principles and processes that underlie oral and written language proficiency. Emphasis is on how to use phonology, morphology, orthography, semantics, syntax, and pragmatics to support literacy and oral language development for K-12 students.		x	development, quality education, equal opportunities, literacy

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Social Ecology	Psychological Science	Undergraduate	PSCI 101D	Life Span Developmental Psychology	Addresses the major issues, concepts, and methods of life span developmental psychology. The fundamental theories, distinctive methods, and the physical, perceptual, cognitive, social, motivational, and emotional development for each developmental phase of the life course are considered.		x	life cycle, social, development, well-being, human health, health
Social Ecology	Psychological Science	Undergraduate	PSCI 11B	Psychology Fundamentals	Designed to provide freshmen with an in-depth survey of general psychology. Topics include biological bases of behavior, sensation, perception, cognition, development, personality, psychopathology, and social psychology. One lecture focuses on the history of intelligence testing in Europe and the United States and presents a critique of research methods and conclusions drawn concerning differences in IQ across racial groups. In a lecture on gender, students learn gender identity and research on how social norms and practices contribute to gender roles, to differing expectations for women and men, and to gender differences in achievement in STEM fields. In another lecture, students learn how memory errors and stereotypes can lead to mistaken eyewitness identification and wrongful convictions.		x	development, gender-sensitive, gender inequalities, gender disparities, discrimination
Social Ecology	Psychological Science	Undergraduate	PSCI 104S	Social Animal: An Introduction to Social Psychology	Theories and research exploring social behavior and social influences on behavior. Topics include methods of social research, attitude formation and change, social perception, the social self, stereotypes and prejudice, conformity, obedience, altruism, aggression, interpersonal relationships and love, and group behavior.		x	social change, behavioral change, social, adapt, discrimination, community, inequality
Social Ecology	Psychological Science	Undergraduate	PSCI 193C	Social Control of Delinquency	Assumes familiarity with theories of delinquency, the juvenile justice system, and elements of juvenile law. Explores socio-historical origins and evolution of juvenile justice, current research and policy on delinquency prevention and treatment, and future directions of law, policy, and practice.		x	justice, behavioral change, power, development, policy, society, law and regulation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Psychological Science	Undergraduate	PSCI 183S	Social Epidemiology	Overviews evidence linking environmental factors to mental and physical disorders including such variables as socioeconomic status, income inequality, work stress, job loss, social capital, location, and other demographic characteristics. Measurement and research design issues of both individual and aggregate levels.	x		inequality, gender pay gap, unemployment, capital, social, environmental, environment, human health
Social Ecology	Psychological Science	Undergraduate	PSCI 173S	Social Relationships	Examines major issues, concepts, and methods in the scientific study of social relationships. Topics include relationship formation and dissolution, friendships and love relationships, loneliness, bereavement, societal influences on close relationships, significance of close relationships for health and well-being.		x	social, society, health, well-being
Social Ecology	Psychological Science	Undergraduate	PSCI 178S	Violence in Society	Current theory and research on aggression; anger and violence as problems in individual and social functioning. Process and functions of anger examined with regard to normal behavior and psychopathology. The determinants, prevalence, and implications of violence in society are analyzed.		x	social, society, health, well-being, violence
Social Ecology	Social Ecology Core	Undergraduate	SE 195	Field Study	Community engagement to facilitate civic education through field research experience, social intervention, and professionalization. Small group instruction, discussion, writing, and presentations synthesizing students' experiences in the field with theory, paradigms, and ideas learned about in their course work.		x	education, social, engage, community
Social Ecology	Social Ecology Core	Undergraduate	SE 195W	Field Study Writing Seminar	Community engagement to promote civic education through field research experience, and the opportunity to study social issues and the environments where they occur. Develop discipline-specific writing and communication skills, methodology, and integrate information from multiple sources.		x	social, environment
Social Ecology	Social Ecology Core	Undergraduate	SE 74A	Moral Development and Just Communities	A three-quarter sequence exploring interpersonal, personal, and social issues based on principles of fairness and justice. Both the living environment of a University residence hall and selected institutions of society are analyzed in terms of moral development theory.		x	fair, justice, environment, education, society, communities, social

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Social Ecology Core	Undergraduate	SE 74B	Moral Development and Just Communities	A three-quarter sequence exploring interpersonal, personal, and social issues based on principles of fairness and justice. Both the living environment of a University residence hall and selected institutions of society are analyzed in terms of moral development theory.		x	fair, justice, environment, education, society, communities, social
Social Ecology	Social Ecology Core	Undergraduate	SE 74C	Moral Development and Just Communities	A three-quarter sequence exploring interpersonal, personal, and social issues based on principles of fairness and justice. Both the living environment of a University residence hall and selected institutions of society are analyzed in terms of moral development theory.		x	fair, justice, environment, education, society, communities, social
Social Ecology	Social Ecology Core	Undergraduate	SE 194W	Naturalistic Field Research	Introduction to alternative models of experiential learning and to various methods of observation, assessment, and evaluation. Introduction to the nature of organizations and ethical issues that emerge from research and intervention in natural settings.		x	ethical, natural, humane, nature
Social Ecology	Social Ecology Core	Undergraduate	SE E127	Nuclear Environments	Understanding the impact of the nuclear age on the environment and human health through interrelated developments of nuclear power and nuclear weapons. The early years of weapon development, catastrophic environmental pollution, perils of nuclear power in the U.S. and Russia.		x	weapons of mass destruction, nuclear power, power, disaster, pollution, environment, contamination, toxic, development, air pollution, international
Social Ecology	Social Ecology Core	Undergraduate	SE 10	Research Design	An introduction to the logic behind and methods of designing and conducting research studies in Social Ecology. Topics include how to measure variables of interest, identifying causal relationships, sampling, survey research methods, experiments, quasi-experimental designs, and ethics in research.		x	ecology, design, ethics, humane, safety
Social Ecology	Social Ecology Core	Undergraduate	SE 13	Statistical Analysis in Social Ecology	Introduction to the techniques of statistical analysis in Social Ecology. Topics include probability, statistical inference, significance testing, univariate descriptive statistics, and multivariate analysis from an interdisciplinary perspective.		x	social, ecology, ecological systems

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Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 177	Chicano Movement	Explores the history of Mexicans in the U.S. with particular attention paid to their integration into the U.S. capitalist economy. Examines this economic history and the Chicano movement, "El Movimiento," within the wide context of socio-economic change.		x	migration, migrants, capital, economic, society, minorities, diversity, culture, cultural diversity
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 145	Environmental Governance	This class is about how to design policies and institutions to support sustainability and equity, drawing on lots of case studies from around the world. How should the environment be managed and who should be responsible? What is effective environmental management, and for whom? These questions are answered by exploring traditional and emerging theoretical frameworks and applying them to real world environmental challenges.	x		environmental, governance, sustainability, equity, global
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 142	Environmental Hazards in an Urbanizing World	Development patterns, including urbanization, can contribute to environmental hazard severity. Humans can plan, mitigate, and prepare to reduce costly hazard losses. Students learn about environmental hazards and human response to these threats.	x		urban, urbanization, environmental hazards, environment, safety, development, human health, resilience, disaster, emergency preparedness
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 117	Environmental Justice	Engages students to critically analyze and evaluate environmental problems, environmental responses, and planning and policy debates regarding "environmental justice" - essentially the race, class, and equity implications of environmental problems and policies.	x		environmental, environment, environmental justice, equity, discrimination, pollution, policy, environmental policy
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 133	Environmental Law and Policy	Environmental law as a combination of traditional legal principles and newly created statutes, rules, and decisions applied to environmental protection. Investigates roles of courts, legislature, executive branch and administrative agencies, and private citizens attempting to regulate environmental quality. A major course theme is how the law does and does not promote cost internalization and sustainability.	x		environmental, public policy, sustainability, protect and restore, law and regulation
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 131	Environmental Sustainability I	Provides an introduction to sustainability from different points of view; historical, scientific, political, ethical, and economic.	x		environmental, sustainability, ethical, economic

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Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 112	Foundations of Community Health	A social ecological framework for understanding community health is presented. Measures of individual and community health are compared, and the influence of personal and environmental factors on individual, group, and population health is examined. Community health promotion strategies are discussed.	x		community, health, human health, population, social, ecology, environmental, environment
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 115	Global Poverty and Inequality in the 21st Century	Explores a multidisciplinary understanding of poverty and inequality in the 21st century and assesses impact of education, health, technology, and other interventions.	x		poverty, global, inequality, education, health, human health
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 170	Health Policy	Considers social and economic aspects of health and disease in the United States. What are the proper roles of the individual, community, and government in improving health and health care? International comparisons will be made wherever possible.		x	economic, disease, health, international, policy, human health, community
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 101	History of Cities	Surveys the global and historical co-evolution of cities and social institutions, including religion, the economy, governance, the arts, technology, and family life.		x	economy, governance, global, urban, civilization, social systems, social
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 109	Housing and Urban Development Policy	Surveys public policy issues and develops analytic techniques in the areas of housing and urban development. Examines a range of policy topics including housing assistance to low- and moderate-income families, housing finance system, incentives for economic development, and neighborhood preservation.		x	public policy, urban, urbanization, development, poverty, economic, preservation, community, policy, adequate housing
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 178	International Divided Cities	Investigates urban divisions in international cities where deep-seated nationalistic ethnic differences create pressures for intergroup conflicts, autonomy, or territorial separation, and can incite violence. Urban political polarization as it is manifest in the urban setting.		x	international, discrimination, violence, urban, violent conflict, conflict-related death

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Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 8	Introduction to Environmental Analysis and Design	Overview of general concepts, theoretical principles, and analytical techniques for investigating environmental systems. Integrates tools from natural and social sciences to analyze contemporary environmental challenges such as pollution, resource acquisition, facility and ecosystem design, impact assessments, formulation of environmental policy. This course examines relationships between humans and the environment and discuss various ways we might think about how humans affect the environment – both positive and negative, and offer diverse perspectives regarding the most critical environmental challenges facing all of us living on this planet.	x		environmental, environment, pollution, resource efficiency, depletion of resources, policy, environmental policy, interdependent, respect for nature, harmony with nature, diversity, design
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 120	Introduction to GIS for Planning and Policy	Provides hands-on experience creating, visualizing, and interpreting spatial data, with a focus on Geographic Information Systems (GIS) applications for urban planning and public policy. Students apply a critical cartography lens by analyzing how the stories they tell with maps both reflect and shape power and inequality.	x		urban, planning, public policy, geography
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 5	Introduction to Urban Planning and Policy	Introduces students to the basic issues in urban planning and public policy.		x	planning, public policy, policy, urban
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 4	Introduction to Urban Studies	Introduces the substantive areas, concepts, and tools in the field of urban studies. Acquaints students with physical, environmental, social, economic, and political dimensions of cities. Examines the challenges facing cities, including poverty, sustainability, development, globalization, and others.	x		urban, environment, social, economic, poverty, sustainability, globalization, development
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 172	Latino Metropolis	Explores the processes of Latino urbanization in the United States and the spatialization of Latino identities, particularly in the context of Southern California with selected comparisons drawing from other cities.		x	urbanization, minorities, migrants, migration, geography
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 113	Poverty and Change in Developing Countries	Focuses on poverty in developing countries. Analyzes the magnitude and changing nature of poverty in the global south. Critically examines poverty conceptualized in terms of economic deprivation, well-being, and social exclusion.	x		poverty, developing countries, global, economic, social, well-being

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Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 146	Principles of Economics for Planning and Policy	Provides an introduction into economics for planning and policy students. Introduces students to environmental economics; student conduct a research paper that connects a real world environmental and/or public health issue to concepts learned during the quarter.		x	planning, economic, policy, environmental, public health, environment
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 167	Public Policy and Governance	Exposes students to best practices that assure effective planning and implementation of policies and programs in government, business, and nonprofit sectors. Includes guest lecturers who are proven leaders in four principal institutions of community: business, education, government, and non-profit.		x	public policy, governance, community, education, governance, law and regulation
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 104	Urban America	Students examine the historical, social, political, and economic factors that contributed to the construction of the American urban context, one that is poverty concentrated and racially/ethnically segregated. Students also critically assess the consequence of growing up in America's urban neighborhoods.		x	social, economic, poverty, discrimination, urban, community, governance
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 107	Urban and Regional Planning	Important substantive areas, concepts, tools in the field of urban and regional planning. Topics include: forces that have historically guided and are currently guiding U.S. urbanization; land use, economic development, housing and community development, environmental planning; legal, environmental, governmental contexts.		x	urbanization, urban, environmental, planning, development, law and regulation, governance, public policy, policy, economic, adequate housing
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 155	Urban Design Principles	Introduction to principles of urban design and its applications. Study of contemporary and traditional theories of urban design formulated to improve physical characteristics of built environment to facilitate an enhanced quality of life. A variety of case studies are discussed.		x	urban, design, quality of life, infrastructure, building, public space, urbanization
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 102	Urban Inequality	Examines structural inequality and the influence that urbanization has in affecting race, ethnic, and class relations. Explores how race/ethnicity, class, urban space, housing, economic development, public education, and land policy intersect in cities, both historically and today.		x	inequality, urbanization, urban, public space, education, land use, policy, public policy, economic, adequate housing

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Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 166	Urban Politics and Policy	Examines why and how urban policies are enacted and carried out in contemporary U.S. cities and regions. Topics include evolution and organization of city governments and policymaking over the past century; who directs public policy and controls how cities develop.		x	public policy, development, urban, policy, urbanization
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 40	Urban Sociology	Overview of theoretical, substantive, and policy issues in urban sociology. History of urbanization, the school of human ecology, and recent trends regarding urbanism. Time is devoted to understanding the causes and possible solutions to urban problems.		x	policy, urban, society, urbanization, ecology
Social Ecology	Urban Planning and Public Policy	Undergraduate	UPPP 139	Water Resource Policy	Examination of contemporary water problems worldwide, with particular attention to the competing water demands in the western U.S., and water demand by the poor in developing countries. History and analysis of U.S. water policies at local, state, and federal levels. The goal of this course is to illuminate how the governance of freshwater is a political, social, economic, cultural, and ecological challenge. The management and provision of water are not merely technical problems whose resolution hinges on hydrological principle, cost, or engineering feasibility.	x		water resources, resource efficiency, water, water quality, public policy, drinking water, groundwater, access to water, water supply, water stress, economic, culture, developing countries, global, international
<b>Total Social Ecology</b>						<b>13</b>	<b>80</b>	
Social Sciences	Anthropology	Undergraduate	ANTH 141A	Ancient Civilization of Mexico and the Southwest	The prehistory and cultural evolution of the civilization which originated in Mexico, including the Olmecs, Aztecs, Toltecs, Maya, and Zapotec, as well as the Pueblos of the Southwestern U.S. Topics include the origins of food production and of the state.		x	food, indigenous peoples, international, agriculture, food, hunger
Social Sciences	Anthropology	Undergraduate	ANTH 125	Anthropology of Debt	Explores how debt has shaped culture across varied contexts geographically and historically. In what ways have societies naturalized indebtedness, taken it for granted as a fact of life, and used it for organizing social relations. Focused on understanding one of the main issues of sustainability: global poverty and inequality	x		geographic, poverty, the poor, developing countries, culture, social, development, global

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Social Sciences	Anthropology	Undergraduate	ANTH 134F	Anthropology of the Body	Examines human bodies as both biological and sociocultural entities and explores the relationship among mind, body, and society cross-culturally. Topics include embodiment; race, sex, gender, and the body; somatization; control of the body; commodified bodies; and hybrid/cyborg bodies.		x	society, culture, gender-sensitive, bodily health, well-being
Social Sciences	Anthropology	Undergraduate	ANTH 48	Archaeology or Aliens?: Conspiracy, Pseudoscience, and the Emergence of Civilizations	Archaeology has inspired (and sometimes actively encouraged) various theories about aliens, lost civilizations, dark conspiracies, and mysterious technologies. Does such an intimate relationship with these fantastic notions undermine archaeology and its claims of authoritative knowledge about past cultures?		x	culture, civilization, origins of life
Social Sciences	Anthropology	Undergraduate	ANTH 136G	Colonialism and Gender	An anthropological enquiry into the ways colonial relations of power have been structured and gendered throughout the world, and to what effect. Examines the social locations of men and women in the everyday exercise of colonial and imperial power.		x	gender-sensitive, gender disparities, gender inequality, social, power, society
Social Sciences	Anthropology	Undergraduate	ANTH 136D	Conflict Resolution in Cross-Cultural Perspective	Examines theories of conflict management. Analyzes how conflict is mitigated in diverse cultures: at the interpersonal level, between groups, and on the international scale. Students discuss readings, hear from conflict management practitioners, and simulate negotiations.		x	cultural diversity, diversity, culture, international
Social Sciences	Anthropology	Undergraduate	ANTH 121D	Cross-Cultural Studies of Gender	Explores the construction of gender in national and transnational contexts. Special attention is given to how race, sexuality, class, and global inequalities shape different experiences of gender, and how gender structures political, institutional, and social life across the world.		x	culture, discrimination, gender-sensitive, social, society, global, inequality, gender inequality, international
Social Sciences	Anthropology	Undergraduate	ANTH 134B	Cultures of Biomedicine	An introduction to the anthropological study of biomedicine and biotechnology. Topics include medicalization, experimentation and discovery, diagnosis, expertise, health activism, and biotechnology.		x	social challenge, social justice, health, human health, inequality

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Social Sciences	Anthropology	Undergraduate	ANTH 128C	Digital Cultures	Explores cultural and political implications of the infotech revolution and the ways new media are used around the world, new cultural practices and spaces (e.g., cybercafes), debates surrounding the meanings of these new technologies, and their implications for transforming society.		x	society, culture, social change, global, international, cultural
Social Sciences	Anthropology	Undergraduate	ANTH 125B	Ecological Anthropology	Studies relationships between human communities and their natural environments. The role of environment in shaping culture; effects of extreme environments on human biology and social organization; anthropologist's role in studying global environmental problems, e.g., African famine, tropical rain forests destruction.	x		human communities, social, environment, environmental hazards, natural, disaster, culture, harmony with nature, respect for nature
Social Sciences	Anthropology	Undergraduate	ANTH 125A	Economic Anthropology	Economic systems in comparative perspective: production, distribution, and consumption in market and non-market societies; agricultural development in the third world.		x	economic, agriculture, developing countries, development, least developed countries, society, international, global
Social Sciences	Anthropology	Undergraduate	ANTH 147	Egyptomania	An exploration into the archaeological heritage and cultures of ancient Egypt. Also examines how ancient Egypt became appropriated as a popular cultural phenomenon and site of scholarship in the centuries after the Pharaohs.		x	culture, international, cultural heritage, cultural
Social Sciences	Anthropology	Undergraduate	ANTH 25A	Environmental Injustice	Explores how pollution, climate change, and other environmental problems impact people around the world, often worsening social inequality. Students use social science frameworks to understand environmental problems, different interpretations of these problems, and how people have organized for political change. Students work in research groups to produce case studies of highly polluted communities and environmental injustice in communities/counties across California.	x		environment, environmental justice, injustice, pollution, climate change, social, inequality, community
Social Sciences	Anthropology	Undergraduate	ANTH 100A	Ethnography and Anthropological Methods	Anthropological research, learning ethnographic methods, and how to choose a research topic, construct research questions, explore library resources, collect data, and write an analytical paper on research findings.		x	culture, community, social, cultural

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Social Sciences	Anthropology	Undergraduate	ANTH 41A	Global Cultures and Society	Offers a general overview of the rise of global interdependence in political, economic, demographic, and cultural terms. Considers what drove people from relative isolation into intensified intercourse with one another, and investigates the consequences of this shift.		x	interdependent, global, economic, culture, international, global dialogue
Social Sciences	Anthropology	Undergraduate	ANTH 30A	Global Issues in Anthropological Perspective	Explores anthropological perspectives on issues of importance in an increasingly global society. Topics include emphases on ethnic conflict; identity; immigration and citizenship; religion and religious diversity; medical anthropology; legal anthropology; development and economic change; gender.		x	global, society, gender-sensitive, development, economic, diversity, globalization
Social Sciences	Anthropology	Undergraduate	ANTH 136B	History of Anthropological Theory	Provides foundational knowledge in the discipline of anthropology by reviewing competing approaches in anthropological theory, from the nineteenth century to the present. Covers historically fundamental approaches "social evolutionism, functionalism" and recent movements such as feminism, cultural studies, poststructuralism, and postmodernism.		x	culture, equality, gender disparities, gender-sensitive, equity
Social Sciences	Anthropology	Undergraduate	ANTH 125U	Immigration, Nation, and Media	Examines media shapes and reflects public opinion on immigration and its representation of immigrants, citizens, and ideas about the nation, and who belongs and who is a potential threat; as well as the relationship between scholars and journalists.		x	migration, migrants, discrimination, international
Social Sciences	Anthropology	Undergraduate	ANTH 162B	Indian North America	A survey of indigenous peoples in North America: American Indians, Alaska Natives, First Nations, Native Americans. Tribal populations and geographic distributions, political and social organization, sovereignty, self-determination, intergovernmental relations; cultural continuity and change; management, preservation, development of environments/resources.		x	environment, resources, indigenous peoples, geography, social, culture, diversity, cultural heritage, cultural diversity, preservation, resiliency
Social Sciences	Anthropology	Undergraduate	SSCI 5A	Introduction to Human Geography	Human behavior in a geographical context. Spatial patterns and organization of the cultural, social, and economic activities of man as imposed on and influenced by the earth's physical setting.	x		geography, culture, social, economic, earth system, earth, interdependent, geographic, environment

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Social Sciences	Anthropology	Undergraduate	ANTH 2D	Introduction to Language and Culture	Explores what the study of language can reveal about ourselves as bearers of culture. After introducing some basic concepts, examines how cultural knowledge is linguistically organized and how language might shape our perception of the world.		x	culture, cultural diversity
Social Sciences	Anthropology	Undergraduate	ANTH 2A	Introduction to Sociocultural Anthropology	Introduction to cultural diversity and the methods used by anthropologists to account for it. Family relations, economic activities, politics, gender, and religion in a wide range of societies. Stresses the application of anthropological methods to research problems.		x	cultural heritage, culture, gender-sensitive, society, cultural
Social Sciences	Anthropology	Undergraduate	ANTH 121AW	Kinship and Social Organization	Organization of social life primarily in preindustrial societies. Theories of kinship, marriage regulations, sexual behavior, and social roles. Comparisons of biological, psychological, sociological, and economic explanations of social organization.		x	social, economic, forced marriage
Social Sciences	Anthropology	Undergraduate	ANTH 134A	Medical Anthropology	Introduces students to cross-cultural perspectives and critical theories in anthropological studies of medicine. Special attention is given to diverse ways of understanding bodies, illnesses, and therapeutic practices in our changing world.		x	diverse, culture, bodily health, health, adapt, international, cultural diversity, diversity
Social Sciences	Anthropology	Undergraduate	ANTH 134C	Medicine, Food, and Health	With anthropological studies of edible things as its foundation, this course explores topics related to the relationship between medical knowledge, eating, and health from a medical anthropological perspective.		x	health, traditional knowledge, agriculture, food, food security, malnutrition, hunger
Social Sciences	Anthropology	Undergraduate	ANTH 136A	Nationalism and Ethnicity in the Contemporary World	An exploration of the concepts of identity, culture, ethnicity, race, and nation through ethnographic cases, with a view to asking larger questions: how do people create nativeness and foreignness? How does "culture" get worked into contemporary racisms and nationalisms?		x	culture, migration, minorities, geography
Social Sciences	Anthropology	Undergraduate	ANTH 20A	People, Cultures, and Environmental Sustainability	This course explores 1) sustainability of different sociocultural orders in human history, 2) sociocultural, economic, and political factors that affect environmental sustainability today, including routine daily practice, 3) broader sociocultural and political impacts of efforts to promote sustainability, along with issues of environmental justice.	x		sustainability, environment, environmental justice, economic

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Social Sciences	Anthropology	Undergraduate	ANTH 164P	Peoples and Cultures of Post-Soviet Eurasia	Examines the cultures and political conflicts of the more than 130 indigenous ethnic groups in the European and Asian territories of the former U.S.S.R. Emphasis is on the theoretical issues of ethnicity, nationalism, and conflict management.		x	culture, international, discrimination, indigenous peoples, culture of tolerance, diversity
Social Sciences	Anthropology	Undergraduate	ANTH 163A	Peoples of the Pacific	The cultural history and recent developments among the Pacific peoples of Polynesia, Micronesia, Melanesia, New Guinea, and Australia.		x	culture, international, indigenous peoples, cultural diversity, diversity, adapt
Social Sciences	Anthropology	Undergraduate	ANTH 138	Prisons and Public Education	Looks at the connections between schools and prisons in the United States. Students learn about ideas that push beyond common trope of the "school to prison pipeline."		x	education, quality education, justice, discrimination, poverty
Social Sciences	Anthropology	Undergraduate	ANTH 132A	Psychological Anthropology	Cultural differences and similarities in personality and behavior. Child-rearing practices and consequent adult personality characteristics, biocultural aspects of child development and attachment, culture and behavior evolutionary models, politically linked personality, cognitive anthropology, psychology of narrative forms, comparative national character studies.		x	culture, development, behavioral change, society, social, strengthen families
Social Sciences	Anthropology	Undergraduate	ANTH 128B	Race, Gender, and Science	Perfect for pre-health, science and social science majors wanting to appreciate how science and society interact. Race and gender as biological and socio-cultural constructs are examined. Questions explored: What is disease? What is science? What are social and biological differences?		x	social, society, culture, disease, gender inequalities, gender-sensitive, health, human health, minorities
Social Sciences	Anthropology	Undergraduate	ANTH 45A	Science, Culture, Power	Examines science in historical and cultural context (Scientific and Darwinian Revolutions, Manhattan Project, contemporary biosciences) to understand scientific truths and their limits, scientists as social actors, and vital intersections of sciences with religion, politics, gender, and other forms of culture.		x	culture, social, gender-sensitive, power, nuclear power, weapons of mass destruction, life cycle
Social Sciences	Anthropology	Undergraduate	ANTH 128A	Science, Technology, Controversy	Explores ways in which the social sciences conceive of science as a sociocultural practice. Emphasis on literature in Science and Technology Studies (STS), especially writings that concern the relationship of science to space and place, power, and politics.		x	power, social, society

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Anthropology	Undergraduate	ANTH 140	Sex and Conquest in Latin America	Competing ideas of masculinity and femininity, sexual violence, sexual identities, and gendered hierarchies informed how the Spanish engaged in military and religious domination of Mexican and Andean communities, as well as the forms of native resistance throughout colonial Latin America.		x	gender-sensitive, international, indigenous people, violence
Social Sciences	Anthropology	Undergraduate	ANTH 136K	The Woman and the Body	Probes culture and politics of the female body in contemporary American life. Focusing on "feminine beauty," examines diverse notions of beauty, bodily practices, and body politics embraced by American women of different classes, ethnicities, and sexualities.		x	gender-sensitive, bodily health, discrimination, diversity, cultural diversity, diverse, culture, gender inequality, gender disparities, minorities
Social Sciences	Anthropology	Undergraduate	ANTH 121J	Urban Anthropology	Cultural roles of urban centers and processes of urbanization in comparative perspective, focusing on both nonwestern, nonindustrial societies of past and present; the relationship between modern urban centers and Third World peoples. Migration, urban poverty, in Africa, Asia, Latin America.		x	urbanization, international, urban, poverty, migration
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 166	Chicano Movement	Explores the history of Mexicans in the U.S. with particular attention paid to their integration into the U.S. capitalist economy. Examines this economic history and the Chicano movement, "El Movimiento," within the wide context of socio-economic change.		x	migration, migrants, capital, economic, society, minorities, diversity, culture, cultural diversity
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 170	Chicano/Latino Families	Introduction to the research, literature, and issues surrounding the topic of Chicano/Latino families including cultural history, contemporary issues, organization of family, traditions, lifestyles, values, beliefs, generational differences, gender issues, ethnic identity, evolution of demographic patterns, current economic and political standings.		x	gender-sensitive, discrimination, economic, cultural heritage, culture, international, minorities, cultural diversity
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 156W	Chicano/Latinos and Labor	Explores theories that explain the occupational pathways and workplace experiences of Latinos in various work sectors. Investigates jobs such as migrant labor, child street vendors, Latina/Latino professionals, and Latinos migrating to the U.S. South that work in poultry processing plants.		x	migrants, migrant workers, migration, child labor, minorities, culture, decent work

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 65	Ethnic and Immigrant America	Focusing on Asian, Latino, and Black immigrant groups, examines the second generation's experience of straddling two cultures and growing up American. Covers topics such as assimilation, bilingualism, race relations, education, bicultural conflicts, interracial marriage, and multiracial identities.		x	education, migration, migrants, international, culture, minorities
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 158	Feminisms of Color	Surveys the development of Chicana feminist thought and practice. Focuses on historical contemporary writings by and about Chicana feminists. Draws from interdisciplinary scholarship in order to survey the diversity of Chicana feminisms.		x	minorities, diversity, culture, cultural diversity, development, gender-sensitive
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 123	Immigration, Nation, and Media	Examines media shapes and reflects public opinion on immigration and its representation of immigrants, citizens, and ideas about the nation, and who belongs and who is a potential threat; as well as the relationship between scholars and journalists.		x	migration, migrants, discrimination, international
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 61	Introduction to Chicano/Latino Studies I	An introduction to the study of the historical foundations of the Chicano/Latino experience. Addresses such topics as empire, migration, immigrant settlement, economic integration, race, gender, and the formation of group identities.		x	migrants, minorities, economic, gender-sensitive, international
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 62	Introduction to Chicano/Latino Studies II	Provides an introduction to the arts, literature, and culture of Chicano/Latino communities. Analyzes representations of and cultural production in Chicano/Latino communities through such media as folklore, literature, art, film, architecture, dance theatre, performance, music, poetry, mass media, and language.		x	culture, minorities, migrants, communities, human communities, preservation, diversity, cultural diversity
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 63	Introduction to Chicano/Latino Studies III	Examines contemporary public policy issues in Chicano/Latino communities. Each offering addresses at least three of the following themes: migration, immigrant incorporation, identity construction, language policy, health policy, politics, sexuality, gender, labor, class, and education.		x	migration, migrants, communities, public health, policy, education, gender-sensitive, labor rights, culture, public policy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 64	Introduction to Race and Ethnicity in Political Science	Examines major theories that attempt to explain the roles of race and ethnicity in U.S. politics. Particular attention will be paid to the institutions, ideologies, attitudes and behaviors that shape how White, Black, Asian, Latino and Indigenous people navigate the American political system, as well as with one another.		x	discrimination, minorities, indigenous peoples, migration, migrants, social, society
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT H80	Latina/o Childhoods: Comparative Approaches to the Study of Children and Youth	Students in this seminar compare the experiences of Latina/o children to other young people in the U.S. and around the world, analyzing the historical, political, economic, and sociocultural factors that have differently structured the life stage we understand as "childhood."		x	international, minorities, culture, cultural diversity, society, economic
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 135	Latinas in the Twentieth Century U.S.	Latinas in the U.S. from 1900 to present, offering a diversity of their cultures, regional histories, sexualities, generations, and classes.		x	culture, diversity, gender-sensitive, minorities, migrants, cultural diversity
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 154	Latino Metropolis	Explores the processes of Latino urbanization in the United States and the spatialization of Latino identities, particularly in the context of Southern California with selected comparisons drawing from other cities.		x	urbanization, minorities, migrants, migration, geography
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 178A	Medical Anthropology	Introduces students to cross-cultural perspectives and critical theories in anthropological studies of medicine. Special attention is given to diverse ways of understanding bodies, illnesses, and therapeutic practices in our changing world.		x	diverse, culture, bodily health, health, adapt, international, cultural diversity, diversity
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 183	Multicultural Education in K-12 Schools	Provides a theoretical and empirical overview of educational issues affecting low-income immigrant and U.S. born minority student populations in an increasingly diverse and changing society.		x	education, the poor, poverty, migrant, minorities, education, diverse, culture, cultural diversity, social change, society, quality education, inequality, equity
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 176	Race, Gender, and Science	Perfect for pre-health, science and social science majors wanting to appreciate how science and society interact. Race and gender as biological and socio-cultural constructs are examined. Questions explored: What is disease? What is science? What are social and biological differences?		x	social, society, culture, disease, gender inequalities, gender-sensitive, health, human health, minorities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 148	Racial and Ethnic Relations in the United States	Examines central questions and issues in the field of race and ethnicity; the emergence, maintenance, and consequences of the ethnic and racial stratification system in the United States; the future of racial and ethnic relations; and relevant public policy issues.		x	public policy, migration, minorities, disparities, inequality, policy, migrants
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 151B	Revolution in Latin America	Presents a comparative analysis of the causes, development, and consequences of selected revolutionary movements, focusing on outbreaks in Mexico, Bolivia, Cuba, Chile, Nicaragua, and Grenada. Explores topics of state formation, economic nationalism, social justice, ethnicity, and role of international affairs.		x	development, social, economic, diversity, cultural diversity, international, social change
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 150A	Sex and Conquest in Latin America	Competing ideas of masculinity and femininity, sexual violence, sexual identities, and gendered hierarchies informed how the Spanish engaged in military and religious domination of Mexican and Andean communities, as well as the forms of native resistance throughout colonial Latin America.		x	gender-sensitive, international, indigenous people, violence
Social Sciences	Chicano/Latino Studies	Undergraduate	CHLT 162A	Urban America	Students examine the historical, social, political, and economic factors that contributed to the construction of the American urban context, one that is poverty concentrated and racially/ethnically segregated. Students also critically assess the consequence of growing up in America's urban neighborhoods.		x	social, economic, poverty, discrimination, urban, community, governance
Social Sciences	Chicano/Latino Studies	Undergraduate	SSCI 165	Chicano/Latino Families	Introduction to the research, literature, and issues surrounding the topic of Chicano/Latino families including cultural history, contemporary issues, organization of family, traditions, lifestyles, values, beliefs, generational differences, gender issues, ethnic identity, evolution of demographic patterns, current economic and political standings.		x	gender-sensitive, discrimination, economic, cultural heritage, culture, international, minorities, cultural diversity
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C169W	Advanced Research Methods	For students planning to conduct senior research projects or apply to graduate school in social research fields. Topics include reviewing literature, preparing a research proposal, protecting human subjects, citing scholarly work, building measures, estimating sample size, interview and presentation skills.		x	safety, social, building

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Social Sciences	Criminology, Law and Society	Undergraduate	CLS C178	Critical Race Theory	Introduction to Critical Race Theory and key American cases on racial inequality. Using this literature, examines the possibilities and pitfalls of legal claims of race, gender, and sexuality discrimination in the age of colorblindness.		x	inequality, discrimination, gender-sensitive, gender disparities, gender inequality, equity
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C118	Domestic Violence	General perspectives about domestic violence and theoretical accounts about what causes such behavior.		x	violence, gender-sensitive, violent conflict
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C184	Economics of Criminal Justice	Provides an introduction to the economics of crime literature.		x	justice, organized crime, economic
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C128	Environmental Law and Policy	Environmental law as a combination of traditional legal principles and newly created statutes, rules, and decisions applied to environmental protection. Investigates roles of courts, legislature, executive branch and administrative agencies, and private citizens attempting to regulate environmental quality. A major course theme is how the law does and does not promote cost internalization and sustainability.	x		environmental, public policy, sustainability, protect and restore, law and regulation
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C123	Family Law	Examines legal issues surrounding marriage, cohabitation, divorce, child custody and support, adoption, and the rights of parents and children in the family context. The findings of social science research are used to illuminate the legal issues.		x	family planning, rights, social, law and regulation, strengthen families
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C136	Forensic Psychology: Advanced Seminar	Focuses on the psychology of criminal offending, particularly violent behavior. Examines violence, sexual offending, and mental disorder related to crime with regard to clinical assessment and treatment; mental health services within forensic institutions.		x	violence, gender-sensitive, justice, well-being, wellness, humane
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C182	Illegal Economics	How illegal firms function in illegal markets, why individuals participate in these groups and markets, and what federal, state, and local governments do to disrupt organized illegal activity.		x	economic, local community, illicit financial, corruption, governance, effective governance

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Social Sciences	Criminology, Law and Society	Undergraduate	CLS C109	Juvenile Delinquency	Patterns of delinquent behavior, theories that explain behavior, current research aimed at enhancing exploratory power. Attempts to prevent and control delinquency are put in historical perspective. Development of the current juvenile justice system and evolution of modern juvenile law.		x	justice, behavioral change, power, development, law and regulation
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C135	Mass Incarceration and Social Inequality in America	Explores the origins and consequences of mass incarceration; extraordinarily high incarceration rates within particular demographic groups above and beyond historical levels in the U.S. Theoretical explanations for, and current policy debates around, mass incarceration are covered.		x	policy, public policy, inequality, equity, discrimination, justice
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C164	Social Control of Delinquency	Assumes familiarity with theories of delinquency, the juvenile justice system, and elements of juvenile law. Explores socio-historical origins and evolution of juvenile justice, current research and policy on delinquency prevention and treatment, and future directions of law, policy, and practice.		x	justice, behavioral change, power, development, policy, society, law and regulation
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C186	Social Media and The Law	Examines legal and policy issues raised by the rise of social media. Surveys how social networking platforms and other emerging technologies impact the right to privacy, public perceptions of judicial systems, and the law generally.		x	social, justice, law and regulation, human rights
Social Sciences	Criminology, Law and Society	Undergraduate	CLS C149	Violence in Society	Current theory and research on aggression; anger and violence as problems in individual and social functioning. Process and functions of anger examined with regard to normal behavior and psychopathology. The determinants, prevalence, and implications of violence in society are analyzed.		x	social, society, health, well-being, violence
Social Sciences	Economics	Undergraduate	ECON 164C	American Economic History from Colonization to the Present	Examines how the American economy evolved from colonization to the post-war era. Topics include relations with foreign countries, the emergence of manufacturing and big business, railroads, slavery, war, the Great Depression, the rise of fiscal and monetary policies.		x	economy, international, global, slavery, policy
Social Sciences	Economics	Undergraduate	ECON 122A	Applied Econometrics I	Introduction to econometrics emphasizing practical applications in microeconomics and macroeconomics.		x	economic, economic analysis

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Economics	Undergraduate	ECON 122B	Applied Econometrics II	Introduction to econometrics emphasizing practical applications in microeconomics and macroeconomics.		x	economic, economic analysis
Social Sciences	Economics	Undergraduate	ECON 23	Basic Economics for Engineers	The fundamentals of microeconomics. The behavior of firms and of consumers: markets, supply/demand, utility maximization, resource allocation, and efficiency.		x	economic, resource efficiency, resources, efficiency
Social Sciences	Economics	Undergraduate	ECON 20A	Basic Economics I	The fundamentals of microeconomics. The behavior of firms and consumers: markets, supply/demand, utility maximization, resource allocation, and efficiency.		x	economic, resource efficiency, resources, efficiency
Social Sciences	Economics	Undergraduate	ECON 20B	Basic Economics II	The fundamentals of macroeconomics. Government behavior: monetary and fiscal policy, inflation, and unemployment.		x	economic, policy, governance, effective governance, representative decision-making, unemployment
Social Sciences	Economics	Undergraduate	ECON 115	Behavioral Economics	Studies the behavioral and psychological biases in economics settings. Both individual decisions and games are discussed.		x	responsive decision-making, behavioral change, economic
Social Sciences	Economics	Undergraduate	ECON 148	Business Decisions	Surveys normative and descriptive models of decision-making behavior, with an emphasis on organizational and policy contexts. Topics include rational choice theory, biases and heuristics, framing effects, and overconfidence. Management fads, panics, and herd behavior are also discussed.		x	representative decision-making, behavioral change, policy
Social Sciences	Economics	Undergraduate	ECON 123A	Econometrics I	Specification, estimation, and testing of econometric models. Applications in various areas of microeconomics and macroeconomics.		x	economic, economic analysis
Social Sciences	Economics	Undergraduate	ECON 123B	Econometrics II	Specification, estimation, and testing of econometric models. Applications in various areas of microeconomics and macroeconomics.		x	economic, economic analysis
Social Sciences	Economics	Undergraduate	ECON 152A	Economic Anthropology	Economic systems in comparative perspective: production, distribution, and consumption in market and non-market societies; agricultural development in the third world.		x	economic, agriculture, developing countries, development, least developed countries, society, international, global

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Social Sciences	Economics	Undergraduate	ECON 157	Economic Development	Considers the process of economic development across the globe and why some countries are rich and others poor. Discusses the major problems facing developing countries, such as population growth, education, capital formation, environmental protection, and international trade.		x	economic, gap between rich and poor, least developed countries, developing countries, international, protect and restore, environmental, capital, education, population growth, the poor
Social Sciences	Economics	Undergraduate	ECON 107	Economics of Asymmetric Information	Focuses on the effects of asymmetric information in the markets for traditional economic goods and resources, such as labor, insurance, used cars, credit, and in auctions and bargaining problems. Prerequisite:		x	economic, labor rights, resources, reuse
Social Sciences	Economics	Undergraduate	ECON 146B	Economics of Criminal Justice	Provides an introduction to the economics of crime literature.		x	justice, organized crime, economic
Social Sciences	Economics	Undergraduate	ECON 165	Economics of International Business	Students learn to understand and analyze the principal economic issues in the international business arena. Covers topics such as trade theory, foreign direct investment, foreign exchange market, and strategy of international business.		x	trade, international, economic, global
Social Sciences	Economics	Undergraduate	ECON 147B	Economics of Strategy	Uses tools of economics, game theory in particular, to develop an understanding of business decision-making. Deals with questions such as how the firm decides what kind of business to be in, how large should it be, and others.		x	responsive decision-making, representative decision-making, resources
Social Sciences	Economics	Undergraduate	ECON 145E	Economics of the Environment	Surveys economic aspects of natural resources, pollution, population, and the environment. Examines the causes of pollution; analysis of public policies regarding these problems. Emphasis on microeconomic aspects of environmental problems. This course uses economic concepts, such as market efficiency and market failure, to analyze issues related to the environment and natural resources. Additionally, we use cost-benefit analysis to evaluate environmental policy and propose efficient solutions.	x		environment, economic, pollution, natural resource, public policy, natural
Social Sciences	Economics	Undergraduate	ECON 145FW	Economics of the Environment II	Applications of the tools covered in ECON 145E to topics such as global warming, destruction of the ozone layer, and emissions trading. Emphasis on independent research papers. Syllabus and classes include writing technique.	x		global warming, climate change, emissions, ozone layer

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Social Sciences	Economics	Undergraduate	ECON 127A	Experimental Economics	Students will learn what constitutes proper experimental design and what laboratory experiments teach us about human behavior and the economy. Students will participate in a sample experiment, evaluate the results, and discuss experiment design and larger issues. Formerly ECON 117.		x	economic, economic analysis, behavioral change, society
Social Sciences	Economics	Undergraduate	ECON 116A	Game Theory I	Extensive form games with perfect information, and coalitional games. The key solution concepts are Nash Equilibrium, Backward Induction, and the Core. Substantive examples include public good production, oligopoly, electoral competition, auctions, holdup, market entry, and voting.		x	greater good, voting rights, economic, behavioral change, responsive decision-making
Social Sciences	Economics	Undergraduate	ECON 13	Global Economy	Acquaints students with the fundamental patterns of the global economy. Emphasizes the historical roots and political implications of economic choices.		x	global, economy, social change, global consequences, international
Social Sciences	Economics	Undergraduate	ECON 146A	Illegal Economics	How illegal firms function in illegal markets, why individuals participate in these groups and markets, and what federal, state, and local governments do to disrupt organized illegal activity.		x	economic, local community, illicit financial, corruption, governance, effective governance
Social Sciences	Economics	Undergraduate	ECON 100B	Intermediate Economic II	Determinants of supply and demand; operation of competitive and monopolistic markets; imperfections of the market system, explanations of unemployment, inflation, recessions; public policy for macroeconomic problems.		x	economic, public policy, unemployment, policy
Social Sciences	Economics	Undergraduate	ECON 100C	Intermediate Economic III	Determinants of supply and demand; operation of competitive and monopolistic markets; imperfections of the market system, explanations of unemployment, inflation, recessions; public policy for macroeconomic problems.		x	economic, public policy, unemployment, policy
Social Sciences	Economics	Undergraduate	ECON 100A	Intermediate Economics I	Determinants of supply and demand; operation of competitive and monopolistic markets; imperfections of the market system, explanations of unemployment, inflation, recessions; public policy for macroeconomic problems.		x	economic, public policy, unemployment, policy

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Social Sciences	Economics	Undergraduate	ECON 105A	Intermediate Quantitative Economics I	Determinants of supply and demand; operation of competitive and monopolistic markets; imperfections of the market system, explanations of unemployment, inflation, recessions; public policy for macroeconomic problems. An advanced and mathematical version of ECON 100A for students in the Quantitative Economics major.		x	economic, public policy, unemployment, policy
Social Sciences	Economics	Undergraduate	ECON 105B	Intermediate Quantitative Economics II	Determinants of supply and demand; operation of competitive and monopolistic markets; imperfections of the market system, explanations of unemployment, inflation, recessions; public policy for macroeconomic problems. An advanced and mathematical version of ECON 100B for students in the Quantitative Economics major.		x	economic, public policy, unemployment, policy
Social Sciences	Economics	Undergraduate	ECON 105C	Intermediate Quantitative Economics III	Determinants of supply and demand; operation of competitive and monopolistic markets; imperfections of the market system, explanations of unemployment, inflation, recessions; public policy for macroeconomic problems. An advanced and mathematical version of ECON 100C for students in the Quantitative Economics major.		x	economic, public policy, unemployment, policy
Social Sciences	Economics	Undergraduate	ECON 167	International Trade and Commercial Policy	Determination of trade flows and the relative prices. Gains from trade, the terms of trade, and income distribution. Imperfect competition and international trade. The effect of tariffs, export subsidies, and import quotas. The effects of free and restricted trade.		x	trade, international, economic, global
Social Sciences	Economics	Undergraduate	ECON 1	Introduction to Economics	An analysis of the problems society faces in organizing itself to provide goods and services. How decisions of government, business, and the individual relate to current economic problems such as unemployment, inflation, poverty, and environmental pollution.		x	society, poverty, unemployment, environmental, pollution, pollutants, economic
Social Sciences	Economics	Undergraduate	ECON 151A	Labor Economics and Human Resources I	Labor demand, labor supply, human capital, personnel economics, and other topics.		x	labor rights, labor standards, economic, capital

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Social Sciences	Economics	Undergraduate	ECON 140	Managerial Economics	A collection of concepts and methods for effective decision making. Explores how the tools of microeconomics, including game theory and industrial organization theory, can be used to make better managerial decisions, particularly those involving allocation of resources within firms.		x	resource efficiency, responsive decision-making, representative decision-making, resources
Social Sciences	Economics	Undergraduate	ECON 162	Poverty, Growth, and Development	Examines India as a case study for each of the topics studied: growth experience of India along with its poverty eradication record, aspects of poverty, and the policies that have been undertaken to tackle poverty.		x	poverty, policy, international, population growth, development, developing countries
Social Sciences	Economics	Undergraduate	ECON 141A	Public Economics I	Examines the role of the government in the economy and its impact on individuals and firms. The course aims to provide an understanding of the reasons for government intervention in the market, the extent of that intervention, and the response of individuals and firms to the government's actions. The primary focus is on exploring the purpose and design of social insurance and welfare programs, studying the role of the government in education and health insurance markets, and developing an understanding of tax policy. Emphasis will also be placed on familiarizing students with empirical tools for studying government interventions.		x	economy, public policy, education, social, law and regulation
Social Sciences	Economics	Undergraduate	ECON 141B	Public Economics II	Theory of public goods, externalities, voting models, analysis of bureaucracy, the Tiebout model, income redistribution, intergovernmental grants. Includes a section on the economics of pollution.		x	economics, distribution of wealth, pollution, air pollution, air quality, voting rights, effective governance
Social Sciences	Economics	Undergraduate	ECON 164AW	The Industrial Revolution in Western Europe	How do economists explain the process of economic development during the past three centuries? Has the process of industrialization affected living standards? Focusing on these questions, students learn how to apply economic theory and quantitative methods.		x	development, international, culture, quality of life, economic, economic analysis

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Social Sciences	Economics	Undergraduate	ECON 144A	Urban Economics I	Why cities exist, economics of urban land-use, housing demand and tenure choice, traffic congestion. Course considers environmental issues in cities, including economic analyses on land-use patterns, suburbanization, congestion and related topics.		x	urban, land use, adequate housing, environmental, suburbanization, suburb, road traffic, transportation, economic analysis
Social Sciences	Economics	Undergraduate	ECON 144B	Urban Economics II	Housing policy analysis, urban public goods and services, crime, pollution, urban amenities. Course considers environmental issues in cities, among other topics. One the course modules covers an economic understanding of pollution, including a discussion of concepts like cap-and-trade systems for pollution abatement.		x	public policy, adequate housing, policy, urban, pollution, abatement, economic, environmental justice, carbon market
Social Sciences	Economics	Undergraduate	ECON 154	Voting and Political Manipulation	Introduction to social choice and cooperative games. Topics include majority rule, types of voting methods, apportionment and proportional representation, agenda manipulation, coalition formation, voting power, political consequences of electoral laws.		x	social, cooperative, voting rights, power, policy, law and regulation, effective governance, corruption, governance
Social Sciences	Global and International Studies	Undergraduate	IS 177I	Ancient Civilization of Mexico and the Southwest	The prehistory and cultural evolution of the civilization which originated in Mexico, including the Olmecs, Aztecs, Toltecs, Maya, and Zapotec, as well as the Pueblos of the Southwestern U.S. Topics include the origins of food production and of the state.		x	food, indigenous peoples, international, agriculture, food, hunger
Social Sciences	Global and International Studies	Undergraduate	IS 158D	China in the Global Age	Chinese society from 1949 to present. Social change in the context of political control and ideological considerations. Focus on the power structure, political decision processes, and ideological legitimation, and interplay with the Chinese community and its culture.		x	social change, power, culture, community, international, community, global
Social Sciences	Global and International Studies	Undergraduate	IS 153D	Colonialism and Gender	An anthropological enquiry into the ways colonial relations of power have been structured and gendered throughout the world, and to what effect. Examines the social locations of men and women in the everyday exercise of colonial and imperial power.		x	gender-sensitive, gender disparities, gender inequality, social, power, society
Social Sciences	Global and International Studies	Undergraduate	IS 183E	Conflict Resolution in Cross-Cultural Perspective	Examines theories of conflict management. Analyzes how conflict is mitigated in diverse cultures: at the interpersonal level, between groups, and on the international scale. Students discuss readings, hear from conflict management practitioners, and simulate negotiations.		x	cultural diversity, diversity, culture, international

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Social Sciences	Global and International Studies	Undergraduate	IS 153B	Cross-Cultural Studies of Gender	Explores the construction of gender in national and transnational contexts. Special attention is given to how race, sexuality, class, and global inequalities shape different experiences of gender, and how gender structures political, institutional, and social life across the world.		x	culture, discrimination, gender-sensitive, social, society, global, inequality, gender inequality, international
Social Sciences	Global and International Studies	Undergraduate	IS 177E	Cuban Society and Revolution	Explores the causes, development, and legacy of the 1959 Revolution. Themes include economic dependency, democracy, race, gender, culture, and the always volatile relations between Cuba and the United States.		x	development, economic, democracy, discrimination, culture, gender-sensitive, gender equality, international, society
Social Sciences	Global and International Studies	Undergraduate	IS 154W	Ethics and Justice in International Affairs	Analyzes choices regarding the use of force, resolving conflict, and promoting human rights and social justice. Special attention is given to the American experience as a principal case study of ethics and statecraft.		x	social justice, human rights, ethics, international, justice
Social Sciences	Global and International Studies	Undergraduate	IS 11	Global Cultures and Society	Offers a general overview of the rise of global interdependence in political, economic, demographic, and cultural terms. Considers what drove people from relative isolation into intensified intercourse with one another, and investigates the consequences of this shift.		x	interdependent, global, economic, culture, international, global dialogue
Social Sciences	Global and International Studies	Undergraduate	IS 106B	Global Food Environment	Examines the global political ecology of food, focusing on the U.S., China, and Brazil. Topics include the history of agriculture, imperialism/neocolonialism, Malthusianism, migration, agro-industrialization, deforestation, GMOs, agrochemicals, soil and water contamination, land struggles, food security/safety/sovereignty, dietary habits, and climate change.	x		agriculture, migration, deforestation, environment, food, farm, land use, climate change, safety, malnutrition, contaminated soil, water quality, contamination, pollution, food security
Social Sciences	Global and International Studies	Undergraduate	IS 148W	Global Futures	Develops critical insights into our collective future as it reflects different perspectives of the world. Topics include techno-orientalism, afro-futurism, feminist futures, indigenous cosmology, and environmental concerns.	x		environment, indigenous peoples, cultural heritage, culture, gender-sensitive, gender equality, global, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Global and International Studies	Undergraduate	IS 104BW	Global Gender and Sexuality	Develops critical insights into gender and sexuality as products of the world around us and as lived experiences across the globe. Topics include agency and resistance, intersectionality, feminisms, colonialism, heteronormativity, gender violence, masculinities, media and popular culture, globalization and migration.		x	violence, culture, discrimination, migration, globalization, gender-sensitive, gender inequality, gender disparities
Social Sciences	Global and International Studies	Undergraduate	IS 106A	Global Political Ecology	Introduction to political ecology and critical analysis of the global scale and globalization. Topics include current and historical climate change, fossil fuels, international trade and investment, soil erosion and pollution, deforestation, waste, ocean ecology, water crisis, wars, revolutions, and refugees.	x		ecology, global, climate change, fossil fuel, fuel, international, trade, migration, water scarcity, water supply, ocean, marine resources, deforestation, water, soil, pollution, contaminated soil, waste management
Social Sciences	Global and International Studies	Undergraduate	IS 15	Global Political Economy	The global economy as an integrated system. The rise of world trade, capitalism, national economies, market cycles, competing economic ideologies, development, globalization, transnational labor, multinational corporations, and the role of UN, World Bank, WTO, and the IMF in global governance.		x	global, economy, development, globalization, labor standards, governance, trade
Social Sciences	Global and International Studies	Undergraduate	IS 12	Global Political Ideologies	An overview of the major political ideologies shaping the current world order and global conflict. Topics include liberalism, democracy, nationalism, capitalism, communism, socialism, fascism, neoliberalism, clash of civilizations, sectarian violence, populist nationalism, and de-globalization.		x	global, globalization, civilization, violence, democracy, capital, social, society, law and regulation, international
Social Sciences	Global and International Studies	Undergraduate	IS 104A	Global Trafficking	Explores trafficking in different global contexts. Covers sex trafficking, labor trafficking, and organ trafficking. Tracks the use of the concept in policy, human rights, law, humanitarianism, and media. Provides a complex and nuanced understanding of the problem and its solutions.		x	forced labor, unpaid work, decent work, labor standards, trafficking, human rights, law and regulation, health, global

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Global and International Studies	Undergraduate	IS 16	Human Rights and Global Governance	Historical development of civil, political rights and the rise of human rights in international law. Explores role, and limitations, of the UN, ICJ, and ICC in global governance. Reconceptualizing democracy and political representation in a postnational 21st century.		x	human rights, international, law and regulation, civil rights, rights, global, governance, democracy
Social Sciences	Global and International Studies	Undergraduate	IS 112A	International Business	Introduction to conducting business in the international arena, decision making in the organization, and globalization of markets and production. Topics covered range from tax and finance to ethics, marketing, and more. Continuing corporate regulatory scandals discussed.		x	international, globalization, ethics, corruption, illicit financial, law and regulation
Social Sciences	Global and International Studies	Undergraduate	IS 145A	International Law	Examination of the origin, changing structure, application of international law, and the role of legal norms in regulating the behavior of states and maintaining international order.		x	international, law and regulation, governance, culture
Social Sciences	Global and International Studies	Undergraduate	IS 165	Introduction to Contemporary Middle East Politics	An overview of basic issues that shape the politics of the Middle East and North Africa. Themes include implication of the colonization era, nation-state formation, inter-Arab relations, nationalism, Arab-Israel conflict, Islamic resurgence, and more.		x	violent conflict, conflict-related death, international, weapons of mass destruction, discrimination, governance
Social Sciences	Global and International Studies	Undergraduate	IS 1	Introduction to Global Studies	Ongoing historical processes that increase global integration, the social, economic, and political interdependence of different regions, cultures, and peoples. Topics include ancient empires, colonialism, nationalism, industrialization, modern imperialism and warfare, decolonization, global social movements, conflict, inequality, and global governance.		x	global, culture, cultural heritage, cultural diversity, social, inequality, social change, governance, international, economic, interdependent
Social Sciences	Global and International Studies	Undergraduate	IS 14	Introduction to International Relations	Analysis of political relations between and among nations with emphasis on explanations of conflict and cooperation. The role of ideologies and their relation to international problems are also examined.		x	international, conflict-related death, violence, global, global dialogue, cooperative
Social Sciences	Global and International Studies	Undergraduate	IS 153E	Nationalism and Ethnicity in the Contemporary World	An exploration of the concepts of identity, culture, ethnicity, race, and nation through ethnographic cases, with a view to asking larger questions: how do people create nativeness and foreignness? How does "culture" get worked into contemporary racisms and nationalisms?		x	culture, migration, minorities, geography

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Social Sciences	Global and International Studies	Undergraduate	IS 122	Nuclear Environments	Understanding the impact of the nuclear age on the environment and human health through interrelated developments of nuclear power and nuclear weapons. The early years of weapon development, catastrophic environmental pollution, perils of nuclear power in the U.S. and Russia.		x	weapons of mass destruction, nuclear power, power, disaster, pollution, environment, contamination, toxic, development, air pollution, international
Social Sciences	Global and International Studies	Undergraduate	IS 162B	Peoples and Cultures of Post-Soviet Eurasia	Examines the cultures and political conflicts of the more than 130 indigenous ethnic groups in the European and Asian territories of the former U.S.S.R. Emphasis is on the theoretical issues of ethnicity, nationalism, and conflict management.		x	culture, international, discrimination, indigenous peoples, culture of tolerance, diversity
Social Sciences	Global and International Studies	Undergraduate	IS 158B	Peoples of the Pacific	The cultural history and recent developments among the Pacific peoples of Polynesia, Micronesia, Melanesia, New Guinea, and Australia.		x	culture, international, indigenous peoples, cultural diversity, diversity, adapt
Social Sciences	Global and International Studies	Undergraduate	IS 161A	Political Islam	Political Islam is a diverse phenomenon. While noticeable barriers exist to "Islamist democracy," it is the Islamists who will define the political future of much of the Muslim world. Reviews the experience of Saudi Arabia, Egypt, Pakistan, Turkey, and Indonesia.		x	diverse, diversity, international, global, discrimination, culture
Social Sciences	Global and International Studies	Undergraduate	IS 151B	Religion and World Politics	Examines the relationship between religion and world politics historically and today, focusing on connections with peace/war, democracy, human rights, secularism(s), and globalization. Covers major debates, scholarship, concepts, and theories through class exercises, exams, and essays.		x	human rights, democracy, globalization, peace, global
Social Sciences	Global and International Studies	Undergraduate	IS 177G	Revolution and Reaction in Cold War Latin America	Explores Latin American experiences of revolutionary change and military dictatorship during the Cold War (1945-1990). Pays particular attention to the lives of women, peasants, workers, and the urban middle classes. Case studies include Guatemala, Cuba, Chile, Argentina, Nicaragua, and Mexico.		x	urban, gender-sensitive, gender inequality, gender disparities, international, culture
Social Sciences	Global and International Studies	Undergraduate	IS 177C	Revolution in Latin America	Presents a comparative analysis of the causes, development, and consequences of selected revolutionary movements, focusing on outbreaks in Mexico, Bolivia, Cuba, Chile, Nicaragua, and Grenada. Explores topics of state formation, economic nationalism, social justice, ethnicity, and role of international affairs.		x	development, social, economic, diversity, cultural diversity, international, social change

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Social Sciences	Global and International Studies	Undergraduate	IS 130	Transnational Gangs	Examines the internationalization of U.S. domestic street gangs. The relationship between California gangs Mara Salvatrucha and 18th Street and Mexico/Central American gangs is assessed. Specified topics include: mobilization, migration, territorialism, culture, organization, and use of technology.		x	culture, international, migration, violent, violent conflict, organized crime
Social Sciences	Global and International Studies	Undergraduate	IS 142A	U.S. Foreign Policy I: Globalism and Cold War	Looks at changing international perspectives, policy responses, and military strategies of presidential administrations from Truman to Reagan. In assessing the motives and objectives of U.S. foreign policy leaders during the "Cold War" era, the concept of "national interest" is examined.		x	international, law and regulation, policy
Social Sciences	Global and International Studies	Undergraduate	IS 177D	U.S. Intervention in Latin America	Explores political, economic, social, and cultural ties that bind Latin America to the United States. Focuses on U.S. intervention and Latin American response from early nineteenth century to present day. Case studies include Mexico, Guatemala, Cuba, Chile, and Central America.		x	social, economic, culture, international
Social Sciences	Global and International Studies	Undergraduate	IS 153C	Urban Anthropology	Cultural roles of urban centers and processes of urbanization in comparative perspective, focusing on both nonwestern, nonindustrial societies of past and present; the relationship between modern urban centers and Third World peoples. Migration, urban poverty, in Africa, Asia, Latin America.		x	urbanization, international, urban, poverty, migration
Social Sciences	Global and International Studies	Undergraduate	SSCI 196	Global Connect	Identifies factors of change that influence the twenty-first century. Students serve as mentors at high schools to introduce globalization issues through workshops and lectures. Students must submit an application and have a 3.0 or higher overall GPA.		x	globalization, global, international, social change, adapt
Social Sciences	Global and International Studies	Undergraduate	SSCI 115D	International Business	Introduction to conducting business in the international arena, decision making in the organization, and globalization of markets and production. Topics covered range from tax and finance to ethics, marketing, and more. Continuing corporate regulatory scandals discussed.		x	international, globalization, ethics, corruption, illicit financial, law and regulation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Language Science	Undergraduate	LSCI 2	Discovering Language	Explores language's pervasiveness and diversity; demonstrates ways linguistics illuminates language's crucial--albeit hidden--societal role. Issues: self-and group-identification, language death, language in legal and educational settings. Illustrations: spoken and signed languages, varieties of English, Native American languages.		x	diversity, society, social, community, law and regulation, indigenous peoples, cultural heritage, culture, diversity, disability-sensitive, persons with disabilities
Social Sciences	Language Science	Undergraduate	LSCI 51B	Foundations of Bilingual Education and Bilingualism	Provides a comprehensive overview of current issues in bilingual education and bilingualism. Topics include dimensions of bilingualism, the effects of bilingualism on children's linguistic and cognitive development, bilingual education programs, literacy, special needs, and assessment.		x	development, quality education, literacy, disability-sensitive, culture, diversity, education, persons with disabilities
Social Sciences	Language Science	Undergraduate	LSCI 68	Introduction to Language and Culture	Explores what the study of language can reveal about ourselves as bearers of culture. After introducing some basic concepts, examines how cultural knowledge is linguistically organized and how language might shape our perception of the world.		x	culture, cultural diversity
Social Sciences	Language Science	Undergraduate	LSCI 182V	Language and Literacy	Addresses the linguistic principles and processes that underlie oral and written language proficiency. Emphasis is on how to use phonology, morphology, orthography, semantics, syntax, and pragmatics to support literacy and oral language development for K-12 students.		x	development, quality education, equal opportunities, literacy
Social Sciences	Language Science	Undergraduate	LSCI 1	Languages of the World	The world has over 6,000 languages, with an exuberant variety of sounds, words, grammars. Introduction to a representative (about eight), drawn from every continent. Students not expected to learn these languages, but to explore and study their structure and complexity.		x	cultural heritage, cultural diversity, culture of tolerance, international, culture, global
Social Sciences	Logic and Philosophy of Science	Undergraduate	LPS H91	The Philosophy and Biology of Sex	Covers the origins of biological sex, dynamics of sexual selection, the evolution and cultural creation of sexual behavior in humans, and the construction of gender in human societies.		x	gender-sensitive, inclusive, gender disparities, culture, cultural diversity, genetic diversity, gender equality, society

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Social Sciences	Political Science	Undergraduate	PLSC 124E	African American Politics	Examines politics of African Americans in order to gain a broader perspective of the American political process. Major developments in African American politics (including the civil rights movement, Black presidential bids), continuing problem of racism, responsiveness of key governing institutions.		x	civil rights, forced labor, slavery, discrimination, migration, minorities, responsive decision-making, governance, effective governance, inequality, disparities, equality, equity
Social Sciences	Political Science	Undergraduate	PLSC 171D	American Constitutional Law	American constitutional interpretation of cases involving separation of powers, federal-state relations, rights of property, free expression, privacy, criminal due process, political participation, and equality. Includes legal research methods, development of judicial review, legal reasoning, and impact of Supreme Court decisions.		x	freedom of expression, justice, equality, law and regulation, rights, protect the rights, power, effective governance, governance
Social Sciences	Political Science	Undergraduate	PLSC 174A	Civil Liberties	Political analysis of selected Supreme Court cases involving claims under the Bill of Rights and the Fourteenth Amendment. Topics include: race, sex, and other forms of discrimination; criminal justice; privacy; freedom of speech and related claims.		x	protect the rights, rights, human rights, basic rights, freedom of speech, justice, discrimination, gender equality, gender-sensitive, gender disparities
Social Sciences	Political Science	Undergraduate	PLSC 154G	Conflict Resolution in Cross-Cultural Perspective	Examines theories of conflict management. Analyzes how conflict is mitigated in diverse cultures: at the interpersonal level, between groups, and on the international scale. Students discuss readings, hear from conflict management practitioners, and simulate negotiations.		x	cultural diversity, diversity, culture, international
Social Sciences	Political Science	Undergraduate	PLSC 125CW	Constitutional Convention	Analyzes the Constitution, its amendments, and periods of Constitutional reform as a foundation for a critical evaluation of the Constitution with an eye both to necessary reforms and to elements of the Constitution that should be maintained.		x	social change, rights, civil society, human rights, freedom of association, democracy, freedom of expression, freedom of opinion, protect the rights, equal rights, governance, effective governance, equity, fundamental freedoms

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Social Sciences	Political Science	Undergraduate	PLSC 147E	Critical Investigations into Humanitarianism in Africa	Explores the complex phenomenon of aid to Africa (emergency and development aid), and the representational, cultural, historical, and other reasons why some participants and many observers critique it. Students occasionally engage with peers and faculty in African institutions.		x	development, emergency preparedness, culture, least developed countries, developing countries
Social Sciences	Political Science	Undergraduate	PLSC 153G	Cuban Society and Revolution	Explores the causes, development, and legacy of the 1959 Revolution. Themes include economic dependency, democracy, race, gender, culture, and the always volatile relations between Cuba and the United States.		x	development, economic, democracy, discrimination, culture, gender-sensitive, gender equality, international, society
Social Sciences	Political Science	Undergraduate	PLSC 32A	Dilemmas of Diversity	Focuses on racial, ethnic, and gender diversity, multiculturalism, and their impact on our social and political ideals. Traces the sources of ideas about difference, equality, and toleration, and examines tensions that occur when forms of identity conflict with one another.		x	diversity, gender equality, discrimination, gender disparities, gender-sensitive, social, equality, cultural diversity
Social Sciences	Political Science	Undergraduate	PLSC 136E	France and You: Trans-Atlantic Problems and Partnerships - Past, Present, Future	Co-taught by professors from UC and Sciences Po, French and UCI students are brought together in a virtual classroom. Students engage in joint projects on issues of global import: democratic fragility, race relations, international security, and climate change.		x	international, global, democracy, discrimination, climate change, climate-related, safety, global dialogue
Social Sciences	Political Science	Undergraduate	PLSC 130A	Game Theory and Politics I	Introduction to game theory and a survey of its political applications. Examples of topics covered include voting in small committees, legislatures, and mass elections; interest group activities and environmental issues; institutional design, and the evolution of cooperative behavior.		x	responsive decision-making, cooperation, decision making under deep uncertainty, environmental, environment, voter rights, governance, law and regulation, behavioral change
Social Sciences	Political Science	Undergraduate	PLSC 44B	Global Political Ideologies	An overview of the major political ideologies shaping the current world order and global conflict. Topics include liberalism, democracy, nationalism, capitalism, communism, socialism, fascism, neoliberalism, clash of civilizations, sectarian violence, populist nationalism, and de-globalization.		x	global, globalization, civilization, violence, democracy, capital, social, society, law and regulation, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Political Science	Undergraduate	PLSC 45A	Human Rights and Global Governance	Historical development of civil, political rights and the rise of human rights in international law. Explores role, and limitations, of the UN, ICJ, and ICC in global governance. Reconceptualizing democracy and political representation in a postnational 21st century.		x	human rights, international, law and regulation, civil rights, rights, global, governance, democracy
Social Sciences	Political Science	Undergraduate	PLSC 157B	International Divided Cities	Investigates urban divisions in international cities where deep-seated nationalistic ethnic differences create pressures for intergroup conflicts, autonomy, or territorial separation, and can incite violence. Urban political polarization as it is manifest in the urban setting.		x	international, discrimination, violence, urban, violent conflict, conflict-related death
Social Sciences	Political Science	Undergraduate	PLSC 147CW	International Humanitarianism	Examines, analyzes, and evaluates the humanitarian phenomenon, the actors involved in it (including states, international organizations (IOs), and nongovernmental organizations (NGOs)), the rise of a body of international humanitarian law, and the problems and debates associated with international humanitarianism today. The impacts of climate change on humanitarian problems is discussed in one week's module, and students have the option of choosing it to write about in their final paper.		x	international, law and regulation, climate change, global warming, global consequences
Social Sciences	Political Science	Undergraduate	PLSC 172A	International Law	Examination of the origin, changing structure, application of international law, and the role of legal norms in regulating the behavior of states and maintaining international order.		x	international, law and regulation, governance, culture
Social Sciences	Political Science	Undergraduate	PLSC 141B	International Political Economy	Examination of problems in global political-economic relations through competing conceptual lenses or grand theories: mercantilism, liberalism, and Marxism. Surveys North-North and North-South issues relating power and wealth.		x	distribution of wealth, power, economic, international
Social Sciences	Political Science	Undergraduate	PLSC 141C	International Political Economy of East Asia	Integration of theoretical perspectives in international political economy with the study of economic development in East Asia, with special emphasis on regional integration.		x	economic, development, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Political Science	Undergraduate	PLSC 158D	Introduction to Contemporary Middle East Politics	An overview of basic issues that shape the politics of the Middle East and North Africa. Themes include implication of the colonization era, nation-state formation, inter-Arab relations, nationalism, Arab-Israel conflict, Islamic resurgence, and more.		x	violent conflict, conflict-related death, international, weapons of mass destruction, discrimination, governance
Social Sciences	Political Science	Undergraduate	PLSC 41A	Introduction to International Relations	Analysis of political relations between and among nations with emphasis on explanations of conflict and cooperation. The role of ideologies and their relation to international problems are also examined.		x	international, conflict-related death, violence, global, global dialogue, cooperative
Social Sciences	Political Science	Undergraduate	PLSC 71A	Introduction to Law	An introduction to the study of judicial politics. Questions include: what is law?; what is a court?; who are the judges? Analysis of a wide range of judicial decisions illustrates the political importance of courts in the U.S. and elsewhere. The entire course is devoted to an exploration of American law, with a particular emphasis on: the history and nature of separation of governmental power, post 9/11 challenges to indefinite detention of American citizens by the Executive branch, the societal/economic/legal forces that helped to perpetuate American slavery, unsuccessful (short-term) legal challenges to generalized racial segregation laws in the aftermath of the Civil War, and successful (long-term) legal challenges to racial segregation in the public schools.		x	society, law and regulation, policy, slavery, forced labor, education, discrimination, governance, effective governance, economic
Social Sciences	Political Science	Undergraduate	PLSC 61A	Introduction to Race and Ethnicity in Political Science	Examines major theories that attempt to explain the roles of race and ethnicity in U.S. politics. Particular attention will be paid to the institutions, ideologies, attitudes and behaviors that shape how White, Black, Asian, Latino and Indigenous people navigate the American political system, as well as with one another.		x	discrimination, minorities, indigenous peoples, migration, migrants, social, society

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Social Sciences	Political Science	Undergraduate	PLSC 171AW	Law and Society	Law and its various roles in society. The nature and meaning of law; legality and power in the American system; law as a mechanism for social change; the role of law in dispute processing, social control, compliance with judicial decisions. This entire upper division writing course is devoted to an exploration of American law, with a particular emphasis (at this time) on individual citizen standing to sue in federal court over potential violation of U.S. environmental laws.		x	society, law and regulation, social change, social, power, environmental
Social Sciences	Political Science	Undergraduate	PLSC 154F	Peoples and Cultures of Post-Soviet Eurasia	Examines the cultures and political conflicts of the more than 130 indigenous ethnic groups in the European and Asian territories of the former U.S.S.R. Emphasis is on the theoretical issues of ethnicity, nationalism, and conflict management.		x	culture, international, discrimination, indigenous peoples, culture of tolerance, diversity
Social Sciences	Political Science	Undergraduate	PLSC 128BW	Political Ideologies: The Way We View Our World	Politics has become divisive and ideological. But ideologies are poorly understood and have become mere labels for identifying friends and enemies. Course analyzes the nature of ideology, focusing on liberalism, conservatism, fascism, socialism, and contemporary "liberation" ideologies.		x	diverse, democracy, international, governance, effective governance, society, social
Social Sciences	Political Science	Undergraduate	PLSC 126F	Politics of Animal Rights	Examines animal rights/welfare movement's efforts to transform moral, practical, and legal standing of nonhuman animals in contemporary U.S. Explores intersection of racism, sexism, and speciesism informed by theories of race and ethnicity, including Asian American Studies.		x	cruelty to animals, rights, moral and spiritual education, discrimination, diversity, cultural diversity, law and regulation, equal rights, policy
Social Sciences	Political Science	Undergraduate	PLSC 156D	Protests, Movements, and Revolutions	A survey of models of collective action drawn from sociology, economics, psychology, and political science. Focus on areas such as social movements, strikes, crowd psychology, cults, fads, fashions, public opinion, and symbolic and mythical elements in collective culture.		x	society, economy, culture, social change, solidarity
Social Sciences	Political Science	Undergraduate	PLSC 146B	Religion and World Politics	Examines the relationship between religion and world politics historically and today, focusing on connections with peace/war, democracy, human rights, secularism(s), and globalization. Covers major debates, scholarship, concepts, and theories through class exercises, exams, and essays.		x	human rights, democracy, globalization, peace, global

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Social Sciences	Political Science	Undergraduate	PLSC 123B	Representation	Deals with classical theories of representation: issues of racial and political representation in U.S. legislatures and city councils; proportional representation models; and comparative election systems.		x	diversity, cultural diversity, minorities, governance, discrimination, effective governance, law and regulation
Social Sciences	Political Science	Undergraduate	PLSC 142B	The International Relations of East Asia	Surveys various aspects of relations between the nations of East Asia. Topics include the historical development of the region; current political and security relations, including the impact of the American military presence.		x	international, global, safety, diversity, culture, cultural diversity, discrimination, demilitarize
Social Sciences	Political Science	Undergraduate	PLSC 138DW	The Moral Life During War	Can people keep their humanity during war? What does the term humanity signify when simply surviving requires faith, courage, and desperation? When facing wartime brutality, must we abrogate morality? What does it mean to compose a moral life during war?		x	moral and spiritual education, dignity, peace, violent conflict, violence, ethics
Social Sciences	Political Science	Undergraduate	PLSC 124A	The Politics of Protest	Examines the Civil Rights, Black Power, and women's movements in relationship to the Asian American movement. Uses social movement theories to illuminate the cases, and the cases to critique and revise the theories.		x	civil rights, human rights, basic rights, rights, discrimination, gender disparities, gender inequality, gender-sensitive, diversity, culture, social, cultural diversity, minorities
Social Sciences	Political Science	Undergraduate	PLSC 125A	The United States Congress	Does the Congress do a good job of representing the American citizenry? Is it the most appropriate mechanism for the creation, resolution, and implementation of public policy?		x	public policy, law and regulation, policy, rule of law, effective governance, governance
Social Sciences	Political Science	Undergraduate	PLSC 142D	U.S. Foreign Policy I: Globalism and Cold War	Looks at changing international perspectives, policy responses, and military strategies of presidential administrations from Truman to Reagan. In assessing the motives and objectives of U.S. foreign policy leaders during the "Cold War" era, the concept of "national interest" is examined.		x	international, law and regulation, policy
Social Sciences	Political Science	Undergraduate	PLSC 142J	U.S. Intervention in Latin America	Explores political, economic, social, and cultural ties that bind Latin America to the United States. Focuses on U.S. intervention and Latin American response from early nineteenth century to present day. Case studies include Mexico, Guatemala, Cuba, Chile, and Central America.		x	social, economic, culture, international

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Social Sciences	Political Science	Undergraduate	PLSC 142G	US Coercive Diplomacy	Examines the theory of compellence and the U.S. practice of coercive diplomacy - the power to change behavior of other governments. Specific case examples: the Cuban missile crisis, bombing of North Vietnam, the Nicaraguan Contras, Desert Shield/Desert Storm, and Libya.		x	behavioral change, effective governance, international, global, governance, weapons of mass destruction, conflict-related death
Social Sciences	Political Science	Undergraduate	PLSC 141E	US Foreign Policy Toward Asia	U.S. policy toward the countries of East Asia: bilateral and regional security relationships, U.S. economic relations with the major Asian countries, the development of regional institutions, and human rights.		x	international, discrimination, development, global, effective governance, economic, human rights, safety
Social Sciences	Political Science	Undergraduate	PLSC 154KW	US Government in Comparative Perspective	Introduction to the United States in comparative perspective, covering general features of the United States and other countries, such as institutional design and policy choices. Addresses the debates about American exceptionalism and American decline.		x	design, policy, public policy, international, governance, effective governance
Social Sciences	Political Science	Undergraduate	PLSC 151H	Voting and Political Manipulation	Introduction to social choice and cooperative games. Topics include majority rule, types of voting methods, apportionment and proportional representation, agenda manipulation, coalition formation, voting power, political consequences of electoral laws.		x	social, cooperative, voting rights, power, policy, law and regulation, effective governance, corruption, governance
Social Sciences	Political Science	Undergraduate	PLSC 121HW	Writing for the President of the United States	Imagines how White House staffers can help presidents with clear, focused, and effective writing. Through a variety of formats, students study, hone, and practice writing skills that will prove useful- in and out of the White House.		x	effective governance, law and regulation, policy, governance
Social Sciences	Psychological Science	Undergraduate	PSYC 21A	Adolescent Psychology	Focuses on psychosocial dynamics of today's adolescents in America emphasizing the quest for identity, independence, values, and sexual orientation. The influence of society, family, school, and peers is analyzed. Strategies for helping troubled adolescents are discussed.		x	society, strengthen family, education, gender-sensitive, social
Social Sciences	Psychological Science	Undergraduate	PSYC 174H	Chicano/Latino Families	Introduction to the research, literature, and issues surrounding the topic of Chicano/Latino families including cultural history, contemporary issues, organization of family, traditions, lifestyles, values, beliefs, generational differences, gender issues, ethnic identity, evolution of demographic patterns, current economic and political standings.		x	gender-sensitive, discrimination, economic, cultural heritage, culture, international, minorities, cultural diversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Psychological Science	Undergraduate	PSYC 177D	Deviance	Perspectives on deviance and criminality in behavior, institution, community, and myth. The suitability of contemporary theories of deviant behavior.		x	community, behavioral change, justice
Social Sciences	Psychological Science	Undergraduate	PSYC 177F	Forensic Psychology: Advanced Seminar	Focuses on the psychology of criminal offending, particularly violent behavior. Examines violence, sexual offending, and mental disorder related to crime with regard to clinical assessment and treatment; mental health services within forensic institutions.		x	violence, gender-sensitive, justice, well-being, wellness, humane
Social Sciences	Psychological Science	Undergraduate	PSYC 161H	Hearing and the Brain	An overview of brain mechanisms of hearing, including perception of simple sounds, speech, and music. Begins with sound itself, and looks at processing by the ear, auditory pathways, auditory cortex, and beyond. Also auditory development, learning, and clinical issues.		x	health, disability-sensitive, persons with disabilities, human health
Social Sciences	Psychological Science	Undergraduate	PSYC 122I	Organizational/Industrial Psychology	Introduction to applied psychology in organizations, including personnel testing, selection, training and evaluation, job and classification analysis, job satisfaction and motivation, organizational development, leadership, market research, and consumer psychology. Potential ethical problems are discussed.		x	ethical, development, representative decision-making
Social Sciences	Psychological Science	Undergraduate	PSYC 173A	Psychological Anthropology	Cultural differences and similarities in personality and behavior. Child-rearing practices and consequent adult personality characteristics, biocultural aspects of child development and attachment, culture and behavior evolutionary models, politically linked personality, cognitive anthropology, psychology of narrative forms, comparative national character studies.		x	culture, development, behavioral change, society, social, strengthen families
Social Sciences	Psychological Science	Undergraduate	PSYC 124V	Psychology of Violence	Discusses the psychology of violence and aggression with an emphasis on understanding the psychological, social, and physiological roots of violent and aggressive behavior. Psychological treatment techniques and strategies for prevention of aggressive and violent behavior are also discussed.		x	violence, social, violent conflict, behavioral change
Social Sciences	Psychological Science	Undergraduate	PSYC 78A	Self-Identity and Society	Studies sociological contributions to theory and research in social psychology, with focus on the social influences on personality, attitudes, beliefs, and behavior; socialization, human groups, and social interaction.		x	social, society, community, moral and spiritual education

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 172AW	American Culture	A survey of the historical development of dominant American culture and society; emphasis on a close reading of key cultural texts, with weekly text as a model of writing, examining its use of language and rhetoric.		x	culture, society, development, cultural heritage
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 78B	Asian American Communities	Examines the renewal of Asian immigration following World War II. Explores contemporary Asian American populations and communities in the U.S., and the impact of contemporary Asian immigration on the U.S. political economy and social order.		x	migration, minorities, economy, social, population, international, discrimination
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 78A	Asian American Histories	Examines and compares diverse experiences of major Asian American groups since the mid-nineteenth century. Topics include origins of emigration; the formation and transformation of community; gender and family life; changing roles of Asian Americans in American society. Formerly ASIANAM 60A.		x	community, gender-sensitive, cultural heritage, culture migration, minorities, diversity, cultural diversity, society
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 177B	Asian American Women	Examines the representations and experiences of Asian American women from diverse perspectives. Explores the commonalities and differences among various groups of Asian American women, with particular focus on history, culture, values, and family roles.		x	diversity, cultural diversity, culture, cultural heritage, gender-sensitive, gender disparities, discrimination, gender equality, minorities
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 78C	Asian Americans and Race	Analyzes the Asian American experience in comparative perspective, which includes comparisons of different ethnic and racial groups, and across gender and class. Possible topics include labor, economy, politics, migration, nation, popular culture, gender, family, sexuality, and multiraciality.		x	gender-sensitive, culture, migration, economy, labor standards, minorities, discrimination
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 195A	Educational Policy Field Studies	Integrates academic course work with experiential learning; examines the effects of educational policy on urban and suburban schools; explores the relationship between community service and personal academic interests; and develops awareness about the challenges of public education.		x	policy, urban, community, education, public policy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 195B	Educational Policy Field Studies	Integrates academic course work with experiential learning; examines the effects of educational policy on urban and suburban schools; explores the relationship between community service and personal academic interests; and develops awareness about the challenges of public education.		x	policy, urban, community, education, public policy
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 195C	Educational Policy Field Studies	Integrates academic course work with experiential learning; examines the effects of educational policy on urban and suburban schools; explores the relationship between community service and personal academic interests; and develops awareness about the challenges of public education.		x	policy, urban, community, education, public policy
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 181A	Ethical Leadership	Explores historical and contemporary theories of ethical and unethical leadership. Examines models of "good leadership" such as cardinal and monastic virtues; and models of "bad leadership," such as Machiavelli's Prince. Explores the philosophies, styles, and accomplishments of leaders.		x	ethical, humane, moral and spiritual education, representative decision-making
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 103A	Game Theory and Politics I	Introduction to game theory and a survey of its political applications. Examples of topics covered include voting in small committees, legislatures, and mass elections; interest group activities and environmental issues; institutional design, and the evolution of cooperative behavior.		x	responsive decision-making, cooperation, decision making under deep uncertainty, environmental, environment, voter rights, governance, law and regulation, behavioral change
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 168B	Immigration and Inequality	Explores immigration, ethnicity, and inequality as interconnected social forces. International migration, propelled by global inequalities, plays a central role in the formation of multinational societies, shapes inter-group relations and patterns of ethnic inequality, and transforms the immigrants themselves.		x	migration, migrants, global, inequality, discrimination, society, international, disparities, minorities
Social Sciences	School of Social Sciences Core	Undergraduate	SPPS 101A	Immigration, Nation, and Media	Examines media shapes and reflects public opinion on immigration and its representation of immigrants, citizens, and ideas about the nation, and who belongs and who is a potential threat; as well as the relationship between scholars and journalists.		x	migration, migrants, discrimination, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 188A	Introduction to Contemporary Middle East Politics	An overview of basic issues that shape the politics of the Middle East and North Africa. Themes include implication of the colonization era, nation-state formation, inter-Arab relations, nationalism, Arab-Israel conflict, Islamic resurgence, and more.		x	violent conflict, conflict-related death, international, weapons of mass destruction, discrimination, governance
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 102A	Introduction to Geographic Information Systems in Social Sciences	Hands-on laboratory course introduces students to the fundamentals of Geographic Information Systems (GIS) technology using social science applications. Students learn to organize, manipulate, and display spatial data leading to the design of their own GIS research project.		x	geography, social, society
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 4A	Introduction to Global Studies	Ongoing historical processes that increase global integration, the social, economic, and political interdependence of different regions, cultures, and peoples. Topics include ancient empires, colonialism, nationalism, industrialization, modern imperialism and warfare, decolonization, global social movements, conflict, inequality, and global governance.		x	global, culture, cultural heritage, cultural diversity, social, inequality, social change, governance, international, economic, interdependent
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 5B	Introduction to Physical Geography	An introduction to the physical world we live in. Distribution and dynamics of the earth's air, water, and solid crust. Concepts and principles from climatology and geology. Selected examples from North America and beyond.	x		air, water, earth, climate, climate-related, global, climate dynamics, hydrologic cycle
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 2A	Introduction to Social Science Analysis	Introduction to social science research and analytical models. Theory construction and use of research methods in an interdisciplinary context. Discussion of the application of social science research to public policy. Computer laboratories develop creative thinking, graphing, and data presentation skills.		x	social, policy, public policy
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 178C	Korean American Studies	Explores the factors that have distinctly shaped the Korean American experience, including patterns of racial domination, the profile of immigrant flow, immigrant roles in the urban political economy, politics in Korea, and the role of the church.		x	migration, urban, economy, moral and spiritual education, minorities, culture, discrimination

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 188K	Political Islam	Political Islam is a diverse phenomenon. While noticeable barriers exist to "Islamist democracy," it is the Islamists who will define the political future of much of the Muslim world. Reviews the experience of Saudi Arabia, Egypt, Pakistan, Turkey, and Indonesia.		x	diverse, diversity, international, global, discrimination, culture
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 1A	Principles in the Social Sciences	Introduction to various disciplines within the social sciences. Provides an interdisciplinary perspective on understanding human behavior and social institutions, including interpersonal, economic, and cultural activities.		x	social, economic, culture, behavioral change, diversity, cultural diversity
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 183CW	Seminar Conflict Resolution	Designed for seniors who are pursuing the minor in Conflict Resolution and/or International Studies major. Provides a forum in which students will refine skills and theory in the study of cooperation and conflict, from local to global arenas.		x	cooperation, global, international, social, local communities
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 40	Social Policy and Public Service	An introduction to the basic theories and principles of public policy. Students examine various influences on the development of public policy and the principle actors in the process, and learn to identify tools and techniques employed in policy making.		x	public policy, social, policy, service
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 187	Twenty-First-Century Graduate Education	Graduate and professional education in twenty-first century United States. Examines strategies for admission to postbaccalaureate programs and success in graduate study culture. Introduction to processes including planning and preparation, school selection, entrance examination preparation, submission of applications, writing personal statements.		x	culture, planning, education, quality education
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 5D	US & World Geography	Survey of general geographical principles and facts on a world scale, as well as introduction to the broad regional and resource geography of the U.S., emphasizing in particular the interactions of physical and cultural factors.	x		geographic, geography, culture, environment, resource, natural resource, earth, global, earth system, interdependent
Social Sciences	School of Social Sciences Core	Undergraduate	SSCI 133	Veterans' Transitions	Provides veteran and non-veteran students with a comprehensive and academically rigorous overview of the ways and means through which diverse communities of veterans have made and continue to make the complex and multi-faceted transition from active military.		x	diversity, communities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Social Sciences Core	Undergraduate	SSCI 173N	Revolution in Latin America	Presents a comparative analysis of the causes, development, and consequences of selected revolutionary movements, focusing on outbreaks in Mexico, Bolivia, Cuba, Chile, Nicaragua, and Grenada. Explores topics of state formation, economic nationalism, social justice, ethnicity, and role of international affairs.		x	development, social, economic, diversity, cultural diversity, international, social change
Social Sciences	Social Sciences Core	Undergraduate	SSCI 120	Transnational Gangs	Examines the internationalization of U.S. domestic street gangs. The relationship between California gangs Mara Salvatrucha and 18th Street and Mexico/Central American gangs is assessed. Specified topics include: mobilization, migration, territorialism, culture, organization, and use of technology.		x	culture, international, migration, violent, violent conflict, organized crime
Social Sciences	Social Sciences Core	Undergraduate	SSCI 121T	Voting and Political Manipulation	Introduction to social choice and cooperative games. Topics include majority rule, types of voting methods, apportionment and proportional representation, agenda manipulation, coalition formation, voting power, political consequences of electoral laws.		x	social, cooperative, voting rights, power, policy, law and regulation, effective governance, corruption, governance
Social Sciences	Sociology	Undergraduate	SOCL 51	Asian American Family & Community	Briefly examines the history of different Asian American groups and provides an in-depth analysis of issues related to family composition, mate selection, changing gender roles, and intergenerational conflict.		x	gender-sensitive, gender inequality, gender disparities, minorities, discrimination, migration, migrants, community
Social Sciences	Sociology	Undergraduate	SOCL 155BW	Baseball and Society	An examination of baseball's role in American social life over the last 150 years. Issues of fraternal organizations, national development, capitalism, rationalization, race and ethnicity, gender, economic organization, labor relations, and politics are discussed.		x	social, capital, economic, labor rights, labor standards, development, gender-sensitive, society
Social Sciences	Sociology	Undergraduate	SOCL 44	Births, Deaths, and Migration	Introduction to the analysis of human population including fertility, mortality dispersion, sex distribution. Attention is focused on the effects of these variables on, e.g., over-population, social disorganization, and the stability of social institutions.		x	migration, population, reproductive health, family planning, population growth, population change, social, life cycle, mortality rate

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Undergraduate	SOCL 138	Business Decisions	Surveys normative and descriptive models of decision-making behavior, with an emphasis on organizational and policy contexts. Topics include rational choice theory, biases and heuristics, framing effects, and overconfidence. Management fads, panics, and herd behavior are also discussed.		x	representative decision-making, behavioral change, policy
Social Sciences	Sociology	Undergraduate	SOCL 175B	China in the Global Age	Chinese society from 1949 to present. Social change in the context of political control and ideological considerations. Focus on the power structure, political decision processes, and ideological legitimation, and interplay with the Chinese community and its culture.		x	social change, power, culture, community, international, community, global
Social Sciences	Sociology	Undergraduate	SOCL 156	Deviance	Perspectives on deviance and criminality in behavior, institution, community, and myth. The suitability of contemporary theories of deviant behavior.		x	community, behavioral change, justice
Social Sciences	Sociology	Undergraduate	SSCI 164B	Domestic Gangs	Examines the history and development of California street gangs and the role of historical events in that development. Students will be able to contrast and compare gang cohort behaviors between some of the major gangs in California.		x	development, violent conflict, organized crime, violence, poverty
Social Sciences	Sociology	Undergraduate	SOCL 171	Environment and Society	Examines society's changing relationship to the natural world. Delineates different models of "nature" and then explores their institutional roots, the social responses they have generated, and their implications for social inequality.	x		environment, society, natural, nature, respect for nature, harmony with nature, social, inequality
Social Sciences	Sociology	Undergraduate	SOCL 68A	Ethnic and Immigrant America	Focusing on Asian, Latino, and Black immigrant groups, examines the second generation's experience of straddling two cultures and growing up American. Covers topics such as assimilation, bilingualism, race relations, education, bicultural conflicts, interracial marriage, and multiracial identities.		x	education, migration, migrants, international, culture, minorities
Social Sciences	Sociology	Undergraduate	SOCL 62	Families and Intimate Relations	Sociological theories/research on marriage, kinship, intimacy, and divorce. Emphasis on comparing family patterns in different social classes, ethnic groups, and societies, and on relating family life to the economy and other social institutions. Topics include gender roles, child-rearing, historical change.		x	social, society, international, economy, strengthen families, gender-sensitive

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Undergraduate	SOCL 134	Game Theory and Politics I	Introduction to game theory and a survey of its political applications. Examples of topics covered include voting in small committees, legislatures, and mass elections; interest group activities and environmental issues; institutional design, and the evolution of cooperative behavior.		x	responsive decision-making, cooperation, decision making under deep uncertainty, environmental, environment, voter rights, governance, law and regulation, behavioral change
Social Sciences	Sociology	Undergraduate	SOCL 68	Gender and Race Inequality in the Workplace	Analysis of current state and trends in major inequality measures including the wage gap, occupational segregation, and access to managerial positions. Theories that purport to explain such differences, and the related empirical evidence, are also covered.		x	gender pay gap, gender inequalities, gender disparities, minorities, discrimination, society, inequality, equal opportunities
Social Sciences	Sociology	Undergraduate	SOCL 2	Globalization and Transnational Sociology	Examines globalization and international issues from the perspective of sociology and related fields. Issues include economic globalization and global inequality, international environmental problems, international politics, trends in global culture, and global conflict.	x		globalization, international, global, economic, inequality, environmental, culture
Social Sciences	Sociology	Undergraduate	SOCL 166	Immigration and Inequality	Explores immigration, ethnicity, and inequality as interconnected social forces. International migration, propelled by global inequalities, plays a central role in the formation of multinational societies, shapes inter-group relations and patterns of ethnic inequality, and transforms the immigrants themselves.		x	migration, migrants, global, inequality, discrimination, society, international, disparities, minorities
Social Sciences	Sociology	Undergraduate	SOCL 177W	Immigration and Social Policy	Explains how people decide to migrate and how they are incorporated into a host society (both historically and currently), examines the effects of immigration on the U.S., analyzes how the framing of immigration shapes the discourse about the issue.		x	migrants, migration, society, social, policy
Social Sciences	Sociology	Undergraduate	SOCL 176	International Divided Cities	Investigates urban divisions in international cities where deep-seated nationalistic ethnic differences create pressures for intergroup conflicts, autonomy, or territorial separation, and can incite violence. Urban political polarization as it is manifest in the urban setting.		x	international, discrimination, violence, urban, violent conflict, conflict-related death

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Undergraduate	SSCI 66	Introduction to Gangs	Introduces students to street gang subculture and explores risk factors associated with gang membership. Students develop a working definition for street gang and understand the difference between social and legal definitions. Also explores the connection between prison and street gangs.		x	social, law and regulation, violence, organized crime
Social Sciences	Sociology	Undergraduate	SOCL 1	Introduction to Sociology	Considers major sociological concepts, theories, and research findings illuminating processes of interpersonal interaction, social differentiation and stratification, integration and conflict, and change, with attention to variation in class, race/ethnic, gender, multicultural, and cross-national perspectives and experiences.		x	society, social, discrimination, gender-sensitive, international, culture, violent conflict, adapt
Social Sciences	Sociology	Undergraduate	SSCI 164D	Juvenile Gangs	Examines risk factors that can be used to predict gang membership. Compares generational with non-generational gangs and develops a working sociological definition that can be used to identify street gangs. Myths about juveniles, street gangs.		x	poverty, discrimination, organized crime, society, safety, urban
Social Sciences	Sociology	Undergraduate	SOCL 154	Medical Sociology	Current problems in U.S. health-care system and proposals for reform. Examines financial barriers to access; problem of patient dumping; underinsurance; prenatal and perinatal care; child services; preventative care and needs of the elderly; minorities; low-income people; undocumented.		x	social change, equity, the poor, wellness, well-being, disparities, discrimination, minorities, poverty, family planning, reproductive health, human health, bodily health, health
Social Sciences	Sociology	Undergraduate	SOCL 158CW	Money, Work, and Social Life	Sociological perspective on issues related to money and work. Consumption practices and lifestyles, jobs and organizations, issues of money in intimate relations, marriage, and households, illegal work, discrimination, economic globalization are discussed.		x	decent work, illicit financial, economic, globalization, discrimination, the gap between rich and poor
Social Sciences	Sociology	Undergraduate	SSCI 152A	Non-Government Organization (NGO) Fundamentals	Introduction to non-governmental organizations, including their role in U.S. society and the international community. Explores varying definitions of NGOs and the characteristics held in common by all NGOs.		x	society, international, global, multi-stakeholder partnerships, civil society, community

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Undergraduate	SSCI 185W	People in Society	Through readings about people in distinctly different societies throughout history, students learn concepts that cross the boundaries of the social science disciplines. Such themes as democracy, elitism, power, social class, and gender are the basis for discussion and writing.		x	social, society, power, gender disparities, gender inequality, discrimination, equality, equity
Social Sciences	Sociology	Undergraduate	SOCL 144	Politics, Power, and Society	Includes an examination of the major theoretical approaches to political sociology, and the application of these ideas to the politics of advanced capitalist societies. Also considers stability and change in power structures.		x	resilience, power, society, capital, governance, law and regulation
Social Sciences	Sociology	Undergraduate	SSCI 164C	Prison Gangs	Examines the growth and spread of prison gangs throughout the country. Relationships between prison and street gangs, and possible relationships with foreign drug trafficking organizations studied. Violence examined as the standard to establish dominance in and out of prison.		x	trafficking, hazardous substances, organized crime, violence, justice
Social Sciences	Sociology	Undergraduate	SOCL 174	Protests, Movements, and Revolutions	A survey of models of collective action drawn from sociology, economics, psychology, and political science. Focus on areas such as social movements, strikes, crowd psychology, cults, fads, fashions, public opinion, and symbolic and mythical elements in collective culture.		x	society, economy, culture, social change, solidarity
Social Sciences	Sociology	Undergraduate	SOCL 167A	Racial and Ethnic Relations in the United States	Examines central questions and issues in the field of race and ethnicity; the emergence, maintenance, and consequences of the ethnic and racial stratification system in the United States; the future of racial and ethnic relations; and relevant public policy issues.		x	public policy, migration, minorities, disparities, inequality, policy, migrants
Social Sciences	Sociology	Undergraduate	SOCL 31	Self-Identity and Society	Studies sociological contributions to theory and research in social psychology, with focus on the social influences on personality, attitudes, beliefs, and behavior; socialization, human groups, and social interaction.		x	social, society, community, moral and spiritual education
Social Sciences	Sociology	Undergraduate	SOCL 173	Social Inequality	Sources, functions, and dynamics of the unequal distribution of wealth, prestige, knowledge, and power in American and other societies.		x	distribution of wealth, power, inequality, disparities, society, international
Social Sciences	Sociology	Undergraduate	SOCL 173W	Social Inequality	Sources, functions, and dynamics of the unequal distribution of wealth, prestige, knowledge, and power in American and other societies.		x	distribution of wealth, power, inequality, disparities, society, international

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Undergraduate	SOCL 3	Social Problems	Focuses on how institutional and organizational features of societies generate problems for people. Particular attention directed at a set of problems related to political and economic inequality: poverty, racism, sexism, urban and population problems, the environment, the criminal justice system. One of the units/lectures is on "the environmental crisis" (in US and globally). Intro to environmental sociology, pollution, research depletion and issues climate change/denial. Course looks at climate change, globalization and economy, and corruption.		x	poverty, urban, globalization, climate change, inequality, economic, discrimination, gender inequalities, gender disparities, corruption, environment, justice, globalization, society
Social Sciences	Sociology	Undergraduate	SOCL 120	Sociological Theory	What a theory of society is and is not. Historical and contemporary models, perspectives, and schools.		x	society, social education
Social Sciences	Sociology	Undergraduate	SOCL 164	Sociology of Aging	Introduction to sociology of age, aging, and the aged. Problems posed by aging population. Life course transitions and how social organizations influence the life course. Addresses work, health, and family in later life.		x	quality of life, human health, health, society, life cycle
Social Sciences	Sociology	Undergraduate	SOCL 157AW	Sociology of Education	Focuses on education's role in creating and redressing inequality, and in shaping how we understand our place in society. Education from cross-national and historical perspectives, and education as a vehicle for examining and solving social problems.		x	education, international, social, society
Social Sciences	Sociology	Undergraduate	SOCL 161	Sociology of Sex and Gender	Explores complex processes contributing to social construction of gender and sexuality in the U.S. with focus on intersection of gender, race, ethnicity, sexuality, and class; evaluates how men and women are differentially constituted in family, education, work, politics, media, language.		x	education, gender-sensitive, gender inequalities, gender disparities, discrimination, social
Social Sciences	Sociology	Undergraduate	SOCL 64	Sociology of Sexuality	Provides an introduction to and overview of the sociology of sex and sexuality. Considers the social meanings of sex and sexuality, the social contexts of sex and sexuality, and the social regulations of sex and sexuality.		x	social, society, gender disparities, gender-sensitive, gender inequalities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Undergraduate	SSCI 163A	Urban America	Students examine the historical, social, political, and economic factors that contributed to the construction of the American urban context, one that is poverty concentrated and racially/ethnically segregated. Students also critically assess the consequence of growing up in America's urban neighborhoods.		x	social, economic, poverty, discrimination, urban, community, governance
<b>Total Social Sciences</b>						<b>15</b>	<b>249</b>	

## Summary of Graduate Level Courses

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Developmental and Cell Biology	Graduate	DEVB 214	Principles of Genomics	A survey course of the principal subfields of genomics and their applications to biological and health sciences that will cover genome assembly and annotation, genome structure, comparative genomics, population genomics, functional genomics, and medical genomics.		x	genetic diversity, health, human health
Biological Sciences	Developmental and Cell Biology	Graduate	DEVB 245	Stem Cell Biology	The basic characteristics and development roles of embryonic, adult, and cancer stem cells in the human body and in model systems and the use of experimental and genetic methods to analyze and manipulate their properties.		x	regenerative capacity, regeneration, disease, human health, health, bodily health
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 247	Behavioral Endocrinology	Comparative examination of the major hormone systems that regulate behavior across animals. Emphasizes the reciprocating nature of hormone-behavior interactions and seeks to understand how natural selection drives the evolution of hormone structure and function.		x	behavioral change, origins of life, reproductive health, health, nature, natural
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 264	Conservation Biology	Explores concepts in ecology with potential for conserving biological diversity. Identifies creative applications of ecological research that mitigate impacts of rapid human population growth and habitat destruction on biodiversity. Biodiversity conservation and human interactions with the environment encompass one pillar of sustainability.	x		biodiversity, diversity, ecology, population growth, environment, habitat
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 235	Experimental Evolution	Explores experimental evolution, which is now a well-established part of evolutionary biology. With the advent of genomics, it is now one of the most powerful tools for studying the genetic foundations of biology.		x	genetic diversity, ecology, adapt, ecological systems, origins of life
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 270	GIS for Environmental Science	Introduction to the fundamental principles of GIS. Topics include cartography, creating/editing GIS data, georeferencing, map projections, geospatial analysis, spatial statistics, and development of GIS models. Focuses on theory and practice.	x		environment, environmental, geography, ecology

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 271	Marine Research and Conservation Methods	Field-based introduction to marine ecology and conservation management through the study of the ecology, resource management, and conservation of marine habitats and species, and the use of a variety of marine field research methods.	x		marine resources, conservation, ocean, ecology, resources
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 227	Plant Physiological Ecology	Provides a summary of information on plant organismal biology, comparative and ecological physiology, and functional ecology.		x	ecology, biodiversity, ecological systems, carbon cycle
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 269	Project Management	Discover the planning, design, implementation, and aftercare phases of managing a conservation or restoration project. Students will project cost, manage risk, analyze sites, evaluate and review projects, and become familiar with common permitting and consultation requirements.		x	protect and restore, restoration, ecology, conservation, planning, design
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 207	Quantitative Methods in Ecology and Evolutionary Biology	Statistics for ecologists and evolutionary biologists. Emphasis on specific applications and underlying assumptions rather than on methods of calculation. Topics include experimental design, parametric and nonparametric methods, analysis of variance and covariance, and multiple regression.		x	ecology, ecological systems, adapt, design
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 265	Restoration Ecology	Study of principles and practices that help recover degraded ecosystems including restoration in different ecological systems, restoration motives and intensities, implementation and monitoring, and scope and success of case studies.	x		ecosystem, restoration, ecology
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 268	Technical Writing	Practice developing key documents for restoration projects including a response to a request for proposal (RFP), a restoration project plan, and a monitoring and maintenance plan.		x	protect and restore, restoration, ecology, development
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 275	Wildlife Ecology and Sampling	Field-based introduction to wildlife management through the study of the ecology, physiology, population biology management, and conservation of vertebrate wildlife species, and the use of a variety of different wildlife sampling techniques.		x	ecology, population, conservation, wildlife

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Ecology and Evolutionary Biology	Graduate	EEB 204	Writing Grant Proposals	Provides students with hands-on experience writing proposals in the research areas of ecology, evolution, or physiology.		x	ecology, ecological systems, origins of life
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 295	Biomedical Research Methods	Lectures and interactive discussions of research methods in modern biomedical science. Each week will focus on a different class of techniques, including molecular, biochemical, immunological, genomic, bioinformatics, microscopy, cancer biology, genome editing. One hour per week, grading based on attendance.		x	genetic resources, genetic diversity, health, human health, disease, wellness
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 253	Biotech Management	Taught jointly by Bio Sci and Merage School faculty, the course addresses fundamental aspects within, and associated with, the biotechnology industry. Curriculum is focused largely on management issues, including finance, product development, pharmaceuticals, project management, regulatory affairs, and ethics.		x	law and regulation, ethics, development
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 215	Integrative Immunology	Lectures and student presentations of primary literature. The main goal is to achieve a basic understanding of the cellular and molecular basis of innate and adaptive immunity, and how immune function is coordinated at a systems level.		x	human health, health, disease
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 248	Metallobiochemistry	A review of the biochemistry of metallic elements emphasizing: methods for studying metals in biological systems; the chemical basis for nature's exploitation of specific elements; structures of active sites; mechanisms; solid-state structures and devices; metals in medicine.		x	nature, marine resources, human health, design
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 205	Molecular Virology	Primary research data on the major DNA and RNA viruses emphasizing strategies of regulation of gene expression. Utilization of viruses as molecular biological tools. Graduate-level knowledge of the biochemistry and molecular biology of macromolecules is required.		x	genetic resources, genetic diversity, health, human health, disease, wellness

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 203	Nucleic Acid Structure and Function	Structure and chemistry of nucleic acids. Relationship between these properties and the mechanisms of fundamental processes such as replication and repair, RNA-mediated catalysis, formation and regulation of higher order chromatin structure and recombination.		x	health, human health, genetic diversity, catalysis, regenerative capacity
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 217A	Principles of Cancer Biology I	Oncogenes and tumor suppressor genes are studied from molecular viewpoints. Also studies their role in cancer; viral carcinogenesis. Designed for graduate students interested in cancer research. Format includes lectures and student-led discussions.		x	disease, health, human health
Biological Sciences	Molecular Biology and Biochemistry	Graduate	MBB 244	Principles of Genomics	A survey course of the principal subfields of genomics and their applications to biological and health sciences that will cover genome assembly and annotation, genome structure, comparative genomics, population genomics, functional genomics, and medical genomics.		x	genetic diversity, health, human health
Biological Sciences	Neurobiology and Behavior	Graduate	NBEH 233	Neurobiology of Drug Addiction	Provides a comprehensive overview of topics in the addiction field, including drug pharmacology, models/approaches to investigate addiction, brain circuits, genetics, epigenetics, and the cellular and molecular biology of drug addiction.		x	genetic resources, health, human health, well-being, wellness, hazardous substances
<b>Total Biological Sciences</b>						<b>4</b>	<b>19</b>	
Business	Business	Graduate	MMBA 293	Biotech Management	Taught jointly by Bio Sci and Merage School faculty, the course addresses fundamental aspects within, and associated with, the biotechnology industry. Curriculum is focused largely on management issues, including finance, product development, pharmaceuticals, project management, regulatory affairs, and ethics.		x	law and regulation, ethics, development
Business	Business	Graduate	BANA 277	Customer and Social Analytics	Examines how business managers can leverage Web 2.0 and social media analytics to create value for their organizations and customers. Topics include digital and social strategies; Web and search analytics; display and mobile advertising; social networks and influence; social media.		x	social, social change, community, disinformation

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Business	Business	Graduate	FMBA 283	Decision Analysis for Managers	Models of preferences and uncertainty; exercises in creative problem solving. Assessment and use of preference models for private, public, and not-for-profit decision making. Assessment and use of subjective probabilities in decision making. Examine multiple objectives of multiple stakeholders (environmentalists, business, employees, community, etc.) in decisions affecting the environment.		x	multi-stakeholder partnerships, responsive decision-making, civil society, community, environment
Business	Business	Graduate	FMBA 294	EDGE for Managers	Explores the crucial roles of external forces: globalization, technology, shifting demographics - as transformative catalysts for change - opening markets, erasing boundaries, and transforming industries. This course prepares future business leaders to innovate and successfully compete.		x	culture, representative decision-making, globalization, catalyst
Business	Business	Graduate	MPAC 239	Ethics in Accounting and Business	Designed to introduce students to the intellectual principles of ethical decision making by emphasizing the theories of ethics and their application in the business, and specifically, accounting professions. MPAC capstone course with a final comprehensive exam for the program.		x	ethics, responsible, moral and spiritual education, corruption, illicit financial
Business	Business	Graduate	FMBA 295B	Global Business for Managers	Emphasizes and reinforces international perspectives contained in the FEMBA curriculum by providing a week-long intensive seminar abroad in the second year. Scholars and business people from the host country instruct FEMBA students in specially designed class sessions and company visits.		x	global, international, culture, cultural diversity
Business	Business	Graduate	EMBA 295B	Global Business II for Executives	Emphasizes and reinforces international perspectives contained in the M.B.A. curriculum by providing a week-long intensive seminar abroad in the second year. Scholars and business people from the host country instruct Executive M.B.A. students in designed class sessions and company visits.		x	culture, cultural diversity, international, diversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Business	Business	Graduate	FMBA 227	Global Negotiations	Emphasizes economic, political, social, and cultural environments of international business negotiations. Topics include self-assessment/analysis, environmental analysis, international team building, negotiation processes and strategies, resources, skills, pre-negotiation preparations, agreements, and post-contract negotiations. Specific emphasis will be placed on cross-cultural problem-solving.		x	economic, social, culture, global, international, resources, environment, environmental
Business	Business	Graduate	MMBA 228	International Management	Introduction to the effects of different national cultures, political and economic systems on the assumptions, expectations, organizational practices, and organizational forms needed to conduct cross-national organizational work.		x	culture, international, economic, diversity, cultural diversity, global, governance
Business	Business	Graduate	FMBA 295A	Introduction to Global Business for Managers	Fundamentals of global strategy, economics, and financial issues. Topics include global manager's environment, global strategy, impact of national culture on business systems, strategies and practices, foreign direct investment, corporate governance, human resources, and international marketing. Evening and weekend course format.		x	global, economics, international, culture, governance
Business	Business	Graduate	BANA 271	Marketing Analytics	Introduces students to quantitative marketing analytics methods and teaches them how to apply the methods to business problems of interest. Topics include: resource allocation and ROI, marketing mix analytics, customer analytics, market segmentation and targeting, advertising, promotions, and digital marketing.		x	resource efficiency, resource
Business	Business	Graduate	FIN 244	Multinational Finance	Examines the history of the world's foreign exchange markets, the macroeconomics of foreign exchange, major parity conditions, hedging of currency exposure and international investment. Gives students a basic understanding of foreign exchange market.		x	international, culture, global

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Business	Business	Graduate	MMBA 208	Operational Excellence: Processes, Models, and Analytics	Introduction to strategic and tactical issues in production and operations management. A blend of quantitative and qualitative considerations. Topics include product planning, process design, capacity management, production planning, inventory control, distribution management, just-in-time manufacturing, quality management.		x	design, capacity-building, planning, manufacturing
Business	Business	Graduate	EMBA 208	Operational Excellence: Processes, Strategy, and Analytics	Introduction to strategic and tactical issues in production and operations management. A blend of quantitative and qualitative considerations. Topics include product planning, process design, capacity management, production planning, inventory control, just-in-time manufacturing, and quality management. Every other weekend course format.		x	design, planning, resources
Business	Business	Graduate	EMBA 202	Organizational Leadership for Executives	Develops a better understanding of individual and group behavior in and across organizations, and the frameworks by which to analyze and understand behavior in complex organizations. Enhances the skills required to manage collaboration and lead. Every other weekend course.		x	collaborative, representative decision-making
Business	Business	Graduate	FIN 246F	Seminar in Management of the Real Estate Enterprise	Capstone seminar. Looks beyond "The Deal" to management of the real estate enterprise itself. Explores aspects of decision-making focused upon strategic objectives: goal setting, legal/tax structures, public vs. closely-held entities, corporate ethics, capital structure, managing growth, diversification, technology. Guest professionals.		x	ethics, responsibility, diversity, capital, representative decision-making
Business	Business	Graduate	FMBA 285	Supply Chain Analytics for Managers	Introduces students to fundamental analytics tools to manage business uncertainties, meet customer needs, and drive business disruptions through supply chain innovations. Example topics include forecasting, inventory management, capacity planning, profit analysis, supply chain coordination, risk management, simulation-based performance analysis.		x	resources, resource efficiency
<b>Total Business</b>						<b>0</b>	<b>17</b>	

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Graduate	EDUC 342A	Applied Instructional Strategies in Secondary Schools	Application of pedagogy and research to practice teaching experiences in the secondary schools. A continuation of the methodology course series with an emphasis on the needs of students with culturally diverse backgrounds. Conducted in a five-week format.		x	cultural diversity, diversity, culture of tolerance, education
Education	Education	Graduate	EDUC 342B	Applied Instructional Strategies in Secondary Schools	Application of pedagogy and research to practice teaching experiences in the secondary schools. A continuation of the methodology course series with an emphasis on the needs of students with culturally diverse backgrounds. Conducted in a five-week format.		x	cultural diversity, diversity, culture of tolerance, education
Education	Education	Graduate	EDUC 236	Applied Linguistics and Literacy	Examines research in applied linguistics as related to teaching literacy. Overview of language knowledge required to understand development and instruction of literacy. Topics include English language structures, psychological processing of these structures, and methodologies to study language and literacy.		x	education, literacy, development
Education	Education	Graduate	EDUC 347	Culture, Diversity, and Educational Equity	Survey of the history of and social theories about the origins and consequences of U.S. racial, gender, and social inequality, and the effects of poverty and racism on the educational opportunities and outcomes of minority groups in the United States.		x	culture, diversity, cultural diversity, poverty, discrimination, equal opportunities, minorities, migrants, gender disparities, gender inequalities
Education	Education	Graduate	EDUC 322A	Curriculum and Methods for Elementary School Mathematics I	Scope, sequence, and methods of teaching mathematics at all levels of elementary school. Presented through lectures, discussions, demonstrations, and exploration of a variety of materials. Covers how to plan lessons, motivate students, diagnose difficulties, and evaluate learning in mathematics.		x	disability-sensitive, education, planning, equal opportunities, persons with disabilities
Education	Education	Graduate	EDUC 326	Curriculum and Methods for Elementary School Reading	Teaching an integrated reading/language arts program in the elementary classroom. Implementing theories, principles, and methods which are research and reality-based. Creating a child-centered, language-rich program to meet needs of children in multicultural/multilingual settings.		x	minorities, cultural, cultural diversity, cultural heritage

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Graduate	EDUC 359	Curriculum and Methods for Elementary Social Science and Information Literacy	Methods of instruction for Social Science at the K-6 level. Includes integration of the use of technology, development of content literacy, and use of evidence to construct arguments.		x	literacy, social, development, education, quality education
Education	Education	Graduate	EDUC 264	Economic Foundations of Education and Social Policy	Beginning/intermediate microeconomics course provides students with an introduction to how economists think about household decision-making, markets, benefit-cost analysis, social policy issues in general and education policy in particular.		x	education, public policy, policy, economic, responsive decision-making, representative decision-making
Education	Education	Graduate	EDUC 348A	Educational Equity and the Exceptional Learner I	Focuses on knowledge, skills, and strategies needed to teach special populations in general education secondary classrooms. Covers categories and characteristics of disability and exceptionality, state and federal legislation, and the role of general education teachers in the special education process.		x	quality education, education, equity, education, disability-sensitive, persons with disabilities
Education	Education	Graduate	EDUC 348B	Educational Equity and the Exceptional Learner II	Emphasizes the use of differentiated instruction to meet special needs and the creation of a positive, inclusive learning environment that provides access to the core curriculum for special needs students.		x	quality education, education, equity, education, disability-sensitive, persons with disabilities
Education	Education	Graduate	EDUC 251	Educational Policy and Politics	An in-depth study of topics relevant to educational reform and policy-making. Topics include: the policy-making process, the role of values and interest groups, policy analysis, equality of educational opportunity, systemic reform, implementation, and politics at the school site.		x	policy, public policy, education, equality, equal opportunities, social change, law and regulation
Education	Education	Graduate	EDUC 253	Foundations of Educational Policy	Reviews disciplinary models that economists and sociologists employ in approaching education-related policy issues, including markets as emergent systems, human capital, social and cultural capital, and rational choice and institutional models of administrators and teachers.		x	education, public policy, policy, culture, capital, society, social

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Graduate	EDUC 237	Foundations of Teaching and Learning	Situates learning in relation to teaching, content, and context. Locates the work of teaching and learning as a cultural practice and considers the limitations of existing theories for advancing learning opportunities for historically underserved and under-resourced communities.		x	underserved communities, education, equal opportunities, equity, community, cultural
Education	Education	Graduate	EDUC 225	Learning, Development, and Culture	Explores issues of learning and development through a cultural lens. The interplay between culture and learning and culture and development is analyzed through the discussion of relevant readings from both psychological and anthropological research traditions.		x	culture, development, education, traditional knowledge
Education	Education	Graduate	EDUC 338	Methods of Teaching English in the Secondary School	Introduction to teaching reading, writing, and speaking skills in secondary school. Emphasis upon integrative approach to teaching literature, composition, and grammar consistent with the California State Framework, which states that cultural diversity, multilingualism, and biliteracy are valuable resources and assets, and contains access and equity frameworks. Practice in the design of lesson plans that are both integrated and cumulative.		x	cultural diversity, literacy, culture, diversity, equity, equal access, planning, education, quality education
Education	Education	Graduate	EDUC 336	Methods of Teaching Languages other than English in Secondary Schools	Prepares future teachers of foreign language or primary/home language. Emphasizes hands-on, practical strategies for communication-based instruction and authentic assessment in reading, writing, listening, speaking, and culture.		x	international, diversity, cultural diversity, culture, literacy
Education	Education	Graduate	EDUC 340	Methods of Teaching Mathematics in Secondary School	Theories, strategies, and methodologies related to the teaching of mathematics in the secondary school. Emphasis on the planning, delivery, and assessment of lessons reflecting an understanding of the Mathematics Framework for California and the recommendations of professional organizations.		x	quality education, disability-sensitive and persons with disabilities (in CA Mathematics Framework), equity, equal access, education, planning,

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Graduate	EDUC 337	Methods of Teaching Social Science in the Secondary School	Theories, strategies, and methodologies related to the teaching of history and social science in the secondary school. Emphasis on the planning, delivery, and assessment of lessons reflecting an understanding of the History-Social Science Framework for California, which includes culture, geography, and equity components.		x	social, education, quality education, geography, equity, disability-sensitive, equal access, persons with disabilities
Education	Education	Graduate	EDUC 283A	Qualitative Research Methods in Education I	Introduces students to qualitative research methodologies and methods and explores strengths and challenges of this research tradition. Topics include logistical and ethical issues, reliability, validity and generalizability, and the role of reflexivity. Students will also engage in fieldwork.		x	education, ethics, equity
Education	Education	Graduate	EDUC 346	Reading and Writing in Middle School and High School Classrooms	Emphasis is placed upon understanding the literacy processes (listening, speaking, viewing, reading, and writing) as they relate to all Single Subject areas. Teachers are guided to integrate literacy-related strategies with curriculum-based goals supported in the California State Frameworks, which states that cultural diversity, multilingualism, and biliteracy are valuable resources and assets, and contains access and equity frameworks.		x	cultural diversity, literacy, culture, diversity, equity, equal access, education, quality education
Education	Education	Graduate	EDUC 252	Social Organization of Schools and Classrooms	Examines how schools are organizations with ambiguous goals, faced with challenges around effective leadership and cooperation, part of loosely coupled systems, and subject to coercive, normative, and mimetic pressures from organizational environments, shaping institutional practices and structures.		x	social, education, cooperation
Education	Education	Graduate	EDUC 320	Teaching Physical and Health Education in Elementary School	Methods of teaching physical education for the elementary classroom teacher. Through an interactive environment, students experience the California Physical Education and Health content standards with appropriate pedagogy. Concepts address motor skills, physical fitness, and personal responsibility for lifelong health.		x	wellness, well-being, health, human health, responsibility, education, disability-sensitive, persons with disabilities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Education	Education	Graduate	EDUC 325	Teaching the Visual and Performing Arts in Elementary School	Introduction to the issues and practices -- including student diversity, academic literacy, and interdisciplinary content -- involved in integrating the California visual and performing arts curriculum framework and academic content standards with developmentally appropriate teaching strategies for the elementary classroom.		x	development, literacy, diversity, cultural diversity, education
Education	Education	Graduate	EDUC 260	The Arts, Human Development, and Social Context	Examines the state of empirical knowledge on the impact of visual and performing arts education on the development of academic, communication, and social-emotional skills. The role of the arts in forming personal and cultural identity is discussed.		x	development, social education, cultural
<b>Total Education</b>						<b>0</b>	<b>24</b>	
Engineering	Biomedical Engineering	Graduate	BME 212	Cardiovascular Mechanobiology	Advanced topics in cellular engineering and mechanobiology, with focus on the cardiovascular system. Tools and techniques used to manipulate and measure mechanical forces at the molecular, cellular, tissue, and organ levels, and their applications in cardiovascular devices and tissue engineering.		x	safety, human health, health, bodily health
Engineering	Biomedical Engineering	Graduate	BME 233	Dynamic Systems in Biology and Medicine	Introduces principles of system theory to analyze biological, biochemical, physiological, and bioengineering systems. Analytical and computational tools are used to model and analyze dynamic systems such as population, neuronal and heart dynamics, biochemical and physiological systems, oxygen diffusion and similar.		x	population, human health, human health, health, wellness
Engineering	Biomedical Engineering	Graduate	BME 260	Microfluids and Lab-On-A-Chip	Introduction to microfluidics and state-of-the-art micro Total Analysis Systems (uTAS). Lab-on-a-Chip for biomolecular assays with device design principles for microscale sample preparation, flow transport, biomolecular manipulation, separation and detection, and the technologies for integrating these devices into microsystems.		x	green laboratory, design, (implications for: disease, developing countries, least developing countries, malaria, water-borne diseases, AIDS, HIV infections)

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Engineering	Biomedical Engineering	Graduate	BME 262	Microimplants	Essential concepts of biomedical implants at the micro scale. Design, fabrication, and applications of several microimplantable devices including cochlear, retinal, neural, and muscular implants.		x	design, safety, human health, wellness, health
Engineering	Biomedical Engineering	Graduate	BME 210	Molecular and Cellular Engineering	Engineering of physiological function at the genetic, cellular, and tissue scales. Topics include cloning and genetic engineering, extracellular matrix biomaterials, principles of regenerative medicine and tissue engineering, and experimental design.		x	genetic diversity, regenerative capacity, regeneration, design, human health, health
Engineering	Biomedical Engineering	Graduate	BME 234	Neuroimaging Data Analysis	Knowledge and understanding of recent techniques for the analysis of healthy and pathological structure and function in neuroimaging data.		x	disease, human health, health, wellness
Engineering	Biomedical Engineering	Graduate	BME 225	Tissue and Organ Biophotonics	Principles underlying the application of photonic technologies to tissues, organs, organisms. Sample technologies include Optical Coherence Tomography, Optical Speckle Imaging, Optoacoustic Imaging, Wide-Field Spectroscopic Imaging, Diffuse Optical Spectroscopy. Addressing the use of these technologies to detect/monitor disease and physiological processes.		x	disease, human health, health, bodily health
Engineering	Chemical and Biomolecular Engineering	Graduate	CBE 262	Metabolic Engineering and Synthetic Biology	Synthesis of chemicals from renewable carbon and energy sources. This course introduces the latest advances in engineering microbes to convert renewable resources into fuels, commodities, and pharmaceuticals.	x		renewable energy, carbon neutrality, carbon, energy, renewable, fuel, clean fuels
Engineering	Chemical and Biomolecular Engineering	Graduate	CBE 276	Nuclear and Radiochemistry	Advanced treatment of nuclear structure, nuclear reactions, and radioactive-decay processes. Introduction to nuclear activation analysis, isotope effects, radiation chemistry, hot-atom chemistry, nuclear age-dating methods, nuclear reactors, and nuclear power. The students learn about nuclear energy as energy source with a negligible greenhouse gas footprint and the nuclear fuel cycle from uranium mining to nuclear waste management is covered in this class. One guest lecture on "Zero-Carbon Power."		x	nuclear power, clean energy, carbon footprint, carbon neutrality, waste management, radioactive, reactor, greenhouse gas

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Chemical and Biomolecular Engineering	Graduate	CBE 210	Reaction Engineering	Advanced topics in reaction engineering, reactor stability analysis, diffusional effect in heterogeneous catalysis, energy balance, optimization of reactor operation, dispersed in phase reactors.		x	energy, catalysis, nuclear power
Engineering	Civil and Environmental Engineering	Graduate	CEE 255	Advanced Behavior and Design of Steel Structures	Advanced principles of structural steel design. Analysis and design of beam-column members, braced and unbraced frames for buildings, and plate girders. Review of seismic design provisions. Design of connections.		x	infrastructure, building, design, emergency preparedness, resilience, safety
Engineering	Civil and Environmental Engineering	Graduate	CEE 263	Advanced Biological Treatment Processes	Analysis of biological processes in natural and engineered systems. Biological treatment processes, both aerobic and anaerobic, with emphasis on suspended growth systems including design consideration. Containment degradation or control covered. Includes laboratory on molecular tools used in wastewater treatment. Students apply microbiology and engineering principles to understand and solve important environmental problems in water quality. The focus is on biological processes within both engineered and natural systems, and utilizes fundamental stoichiometry, kinetics, and material balances to analyze and quantify microbial processes. Processes for the protection, restoration, and treatment of water quality will be emphasized.	x		untreated wastewater, reuse, recycle, contamination, pollution, water quality, restoration, protect and restore, environmental engineering, environment, nature, wastewater, water quality
Engineering	Civil and Environmental Engineering	Graduate	CEE 254	Advanced Reinforced Concrete Behavior and Design	Flexural strength of reinforced concrete elements. Flexural ductility of unconfined and confined members with axial loads. Shear and torsional behaviors. Strength of reinforced concrete ductile frames and shear walls. Reinforced concrete detailing.		x	infrastructure, emergency preparedness, resilience, disaster, building
Engineering	Civil and Environmental Engineering	Graduate	CEE 242	Advanced Strength of Materials	Beams on elastic foundations. Combined axial and lateral loads. Curved beams. Unsymmetric bending. Shear center. Stresses and strains. Basic equations for theory of elasticity. Energy principles. Theory of torsion. Combined bending and torsion.		x	emergency preparedness, design, infrastructure, building, resilience, safety

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Graduate	CEE 289	Analysis of Hydrologic Systems	Application of systems theory in hydrologic, land surface, biogeochemical modeling. Design, identification, and calibration of conceptual models. Principles of dynamic systems, modeling approaches, theory of linear systems, mathematical concepts of differential calculus, theoretical concepts of parameter estimation and optimization theory.		x	hydrologic cycle, water, water resources, groundwater, freshwater
Engineering	Civil and Environmental Engineering	Graduate	CEE 264	Carbon and Energy Footprint Analysis	The course that teaches the students at the quantitative methods to quantify the sustainability of water systems. Process design for wastewater treatment. Mass- and energy- balance analysis applied to water and wastewater treatment systems. Case studies include analysis of water supply, treatment, reclamation, and reuse.	x		carbon, energy, carbon footprint, wastewater, contamination, pollution, water, sustainability, water supply
Engineering	Civil and Environmental Engineering	Graduate	CEE 274	Climate Data Analysis	Trend analysis; statistical indices for diagnosing and detecting changes in extremes; nonstationary processes; extreme value analysis; multivariate extreme value methods; tail dependence estimation; uncertainties in observed and projected changes in climate extremes.	x		climate change, extreme weather, climate-related, climate dynamics, climate adaptation, weather
Engineering	Civil and Environmental Engineering	Graduate	CEE 249	Earthquake Engineering	Earthquake magnitude, intensity, and frequency. Seismic damage to structures. Earthquake load prediction including response spectra, normal mode, and direct integration techniques. The basis of building code earthquake load requirements for buildings. Seismic response of special structures. Lifeline engineering.		x	environmental engineering, environment, natural, disaster, emergency preparedness, safety, infrastructure, building, resilience
Engineering	Civil and Environmental Engineering	Graduate	CEE 258	Earthquake Resistant Structural Design	Objectives of seismic design. Cyclic load-distortion characteristics of typical structural elements. Desirable structural form. Ductility and methods of achieving it. Use of energy dissipators. Project involving design of multistory, multibay rigid-jointed plane frame.		x	environmental engineering, environment, natural, disaster, emergency preparedness, safety, infrastructure, building, resilience

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Graduate	CEE 262	Environmental Chemistry II	Advanced concepts from physical and organic chemistry as they relate to environmental engineering. Emphasis on equilibrium and kinetics as they apply to redox reactions, coordination, absorption, gas phase reactions, and ion exchange. A lecture on advanced physical/chemical treatment processes.	x		environmental engineering, environment, contamination, waste management
Engineering	Civil and Environmental Engineering	Graduate	CEE 279	Environmental Transport Modeling	Computational modeling of multi-dimensional flow and scalar transport problems in surface and ground water. Topics include mathematical model formulation, numerical method selection, serial and parallel implementation, model verification and validation.		x	groundwater, water sources, freshwater
Engineering	Civil and Environmental Engineering	Graduate	CEE 250	Finite Element Method in Structural Engineering	Finite element concepts in structural engineering including variational formulations, shape functions, elements assembly, convergence and computer programming. Stiffness of truss, beam, and frame members, two- and three-dimensional solids, plate and shell elements. Static, vibration, stability, and inelastic analysis.		x	infrastructure, emergency preparedness, resilience, disaster, building
Engineering	Civil and Environmental Engineering	Graduate	CEE 271	Flow in Unsaturated Porous Media	Fluid flow in the unsaturated zone (zone of aeration) of the subsurface. Soil-water physics, flow in regional groundwater systems, miscible displacement, mathematical modeling techniques.		x	groundwater, soil, soil quality, water, water resources, freshwater
Engineering	Civil and Environmental Engineering	Graduate	CEE 232	Geotech Earthquake Engineering	In-situ and laboratory determination of dynamic soil properties, liquefaction of soil, cyclic softening of clays, seismic compression and settlement analyses, ground improvement methods, seismic slope stability, introduction to soil structure interaction.		x	soil, soil quality, emergency preparedness, disaster, resilience, infrastructure, building, safety
Engineering	Civil and Environmental Engineering	Graduate	CEE 214	GIS for Civil and Environmental Engineering	GIS for CEE provides an introduction to Geographic Information Systems (GIS) and their various applications in civil and environmental engineering. Topics include GIS data formats, data queries, spatial and attribute data, spatial data analysis, coordinate systems, raster data analysis.		x	geography, environmental engineering, environment

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Graduate	CEE 272	Groundwater Hydrology	Topics include conservation of fluid mass, storage properties or porous media, matrix compressibility, boundary conditions, flow nets, well hydraulics, groundwater chemistry, and solute transport. Includes introduction to advanced topics in porous media. Design projects and computer applications included.		x	groundwater, water, conservation, water resources
Engineering	Civil and Environmental Engineering	Graduate	CEE 240	High Performance Materials	Part I: Linear and nonlinear fracture mechanics, methodology, real-world case studies; Part II: Composite material toughening, underlying micromechanics, materials engineering towards microstructure tailoring and new material design approaches; Part III: Emerging high-performance engineering materials for safety, energy and the environment.		x	environment, safety, energy, environmental engineering, design
Engineering	Civil and Environmental Engineering	Graduate	CEE 277	Hydrologic Transport Fundamentals	Process description, mathematical and numerical modeling of transport processes in surface and ground water. Topics include advection, molecular diffusion, Taylor dispersion, mechanical dispersion in porous media, shear flow dispersion in channels, and turbulent jets and plumes.		x	water, groundwater, freshwater, water resources, hydrologic cycle
Engineering	Civil and Environmental Engineering	Graduate	CEE 276	Hydrology	Elements of the hydrologic cycle including precipitation, infiltration, evapotranspiration, ground water, and runoff. Unit Hydrograph theory and routing methods. Introduction to precipitation/runoff relationship and watershed modeling. Statistical methods and flood frequency analysis. Discussion section covers advanced topics.		x	hydrologic cycle, precipitation, groundwater, flood, flooding, water

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Graduate	CEE 290	Merging Models and Data	Introduction to optimization and data assimilation methods for model calibration and uncertainty quantification. Local, global and multi-method search. Bayesian analysis using Monte Carlo simulation with Random Walk Metropolis, and adaptive samplers. Filtering methods for recursive inference. Illustration using environmental models. These different methods are used for merging environmental / hydrologic / hydro-meteorological / ecological / geophysical models with data. A focus of the study will be on hydrological, land surface, and ecological models, involving the rainfall-runoff transformation, vadose zone hydrology (soil physics), land-surface models predicting flux of latent and sensible heat between the soil surface, canopy and atmosphere, and optimality based ecological models of vegetation growth and dynamics.		x	earth science, environment, environmental, atmosphere, hydrologic cycle, land use, ecology, earth, stormwater, precipitation, soil
Engineering	Civil and Environmental Engineering	Graduate	CEE 265	Physical-Chemical Treatment Processes	Theory and dynamics of physical and chemical separation processes in water and wastewater treatment. Topics include coagulation, sedimentation, filtration, gas transfer, membrane separations, and absorption.		x	water, wastewater, untreated wastewater, pollution, reuse
Engineering	Civil and Environmental Engineering	Graduate	CEE 247	Structural Dynamics	Vibration of discrete and continuous mass elastic systems. Isolation and transmissibility. Dynamic recording instruments. Introduction to nonlinear theory of vibration. Response of structures to earthquake, traffic, and wind loads. Response spectra concepts. Normal mode analysis. Numerical integration techniques.		x	road traffic, wind, emergency preparedness, resilience, safety, disaster, building, infrastructure
Engineering	Civil and Environmental Engineering	Graduate	CEE 229A	Traffic Systems Operations and Control I	Introduction to operation, control, and analysis of arterial and freeway traffic systems. Control concepts, traffic stream principles, detectors, local controllers, system masters, traffic signal and ramp metering timing principles, traffic measurement technologies, traffic delay principles.		x	transportation, road traffic, public transit, urban, design, urban sprawl

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Graduate	CEE 224A	Transportation Data Analysis I	Statistical analysis of transportation data sources. Analysis of categorical and ordinal data. Regression and advanced multivariate analysis methods such as discriminant analysis, canonical correlation, and factor analysis. Sampling techniques, sample error and bias, survey instrument design.		x	transportation, road traffic, travel, urban
Engineering	Civil and Environmental Engineering	Graduate	CEE 225B	Transportation Planning Models I	Design and application of comprehensive transportation models. Network development, demand modeling, and equilibrium assignment. Model calibration, validation, prediction, and evaluation. Regional modeling, site impact analysis, and circulation studies. Design of transportation alternatives.		x	transportation, road traffic, travel, urban
Engineering	Civil and Environmental Engineering	Graduate	CEE 221A	Transportation Systems Analysis I	Introduction to mathematical methods and models to address logistics and urban transportation problems. Techniques include stochastic models, queueing theory, linear programming, and introductory non-linear optimization.		x	urban, transportation, travel, road traffic
Engineering	Civil and Environmental Engineering	Graduate	CEE 221B	Transportation Systems Analysis II	Advanced mathematical methods and models to address logistics and urban transportation problems. Topics include network flows, advanced optimization techniques, network models, and heuristic algorithms.		x	urban, transportation, travel, road traffic
Engineering	Civil and Environmental Engineering	Graduate	CEE 223	Transportation Systems III: Planning and Forecasting	Theoretical foundations of transportation planning, design, and analysis methods. Theory and application of aggregate and disaggregate models for land use development, trip generation, destination, mode, and route choice. Transportation network analysis. Planning, design, and evaluation of system alternatives. Student teams apply travel forecasting and network design to identify and address problems for a hypothetical seaside community.		x	urban, transportation, travel, road traffic, planning, development, land use, design, community, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Civil and Environmental Engineering	Graduate	CEE 220A	Travel Demand Analysis I	Fundamentals of transportation systems analysis. Theoretical aspects of travel demand. Travel behavior. Modeling of performance characteristics and costs of transportation modes. In-depth presentation of travel demand modeling techniques. Development of travel choice models including mode, route, and destination choice. Equilibrium.		x	transportation, travel, road traffic, society, urban
Engineering	Civil and Environmental Engineering	Graduate	CEE 220B	Travel Demand Analysis II	Methods of discrete choice analysis and their applications in the modeling of transportation systems. Emphasis on the development of a sound understanding of theoretical aspects of discrete choice modeling that are useful in many applications in travel demand analysis.		x	transportation, travel, road traffic, society, urban
Engineering	Civil and Environmental Engineering	Graduate	CEE 228A	Urban Transportation Networks I	Analytical approaches and algorithms to the formulation and solution of the equilibrium assignment problem for transportation networks. Emphasis on user equilibrium (UE) comparison with system optimal, mathematical programming formulation, supply functions, estimation. Estimating origin-destination matrices, network design problems.		x	transportation, road traffic, travel, urban
Engineering	Civil and Environmental Engineering	Graduate	CEE 273	Watershed Modeling	Basic principles of hydrologic modeling are practiced. Concepts of watershed delineation, land use change impact, design studies, and GIS tools are discussed. Focus on the USACE (HEC) software tools (HEC-HMS and HEC-RAS) along with their associated GIS interfaces.		x	land use, water, water resources, hydrologic cycle
Engineering	Electrical Engineering and Computer Science	Graduate	EECS 230	Energy Efficiency	Green energy sources for production, transmission, storage, and utilization of electricity, with a special focus on solar, wind, and nuclear energy production. Study of newly developed renewable sources of energy including capital cost, product cost, environmental issues, and technical feasibility.	x		green energy, energy, efficiency, energy efficiency, nuclear power, wind energy, solar power, alternative energy, renewable, environment

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Electrical Engineering and Computer Science	Graduate	EECS 247	Information Storage	Storage architecture, storage network and networking algorithms in data centers, principle of storage devices and non-volatile memory, data consistency, data availability and integrity, power management. Lectures on Lagrange coded computing optimal design for resiliency security and privacy.		x	power, resiliency, safety, (implications for: ethics, law and regulation)
Engineering	Materials Science and Engineering	Graduate	MSE 256B	Fracture of Engineering Materials	Fracture mechanics and its application to engineering materials. Elastic properties of cracks, the stress intensity factor, the crack tip plastic zone, the J integral approach, fracture toughness testing, the crack tip opening displacement, fracture at high temperatures, fatigue crack growth.		x	emergency preparedness, disaster, resilience, safety, infrastructure
Engineering	Materials Science and Engineering	Graduate	MSE 241	Nano-Scale Materials and Applications	Overview of the chemistry, physics, and applications of nanometer-scale materials. Explore the effects of composition, bonding, and confinement on physical properties of nanomaterials, their chemical syntheses, and their device physics in electronic, optoelectronic, and energy technologies.		x	nanomaterials, design, energy, electric, alternative energy
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 253	Advanced BIOMEMS Manufacturing Techniques	Introduction to BIOMEMS. Advanced biotechnology/biomedicine equipment based on MEMS and NEMS. Fundamentals of MEMS/NEMS sensing techniques and the biological and physics principles involved and the preferred MEMS and NEMS manufacturing techniques.		x	implications for: disease, public health, human health, global health risks, developing countries, least developed countries
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 215	Advanced Combustion Technology	Pollutant formation and experimental methods. Formation of gaseous pollutants and soot; transformation and emission of fuel contaminants in gas, liquid, and solid fuel combustion; methods employed to measure velocity, turbulence intensity, temperature, composition, particle size; methods to visualize reacting flows.		x	combustion, fuel, power, energy, gas, pollutants, pollution, air pollution, emissions, contamination

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 210	Advanced Fundamentals of Combustion	Premixed, nonpremixed, and heterogenous reactions, with emphasis on kinetics, thermal ignition, turbulent flame propagation, detonations, explosions, flammability limits, diffusion flame, quenching, flame stabilization, and particle and spray combustion. Not offered every year.		x	safety, combustion, fuel, efficiency, fires
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 224	Advanced Transport Phenomena	Fundamentals of transport phenomena in fluid (gas and liquid), solid, and nano systems. Conservation equations, fundamentals of diffusion, ion transport, dispersion in turbulent/laminar flows, absorption, differential/staged distillation, transport in membranes, and nano/microscale transport phenomena. Not offered every year.		x	nanomaterials, energy, efficiency, gas, heat
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 250	Biorobotics	Sensors, actuators, and neural circuits for biological movement control from an engineering perspective. Current approaches to robotic and mechatronic devices that support and enhance human movement in health and following neurologic injuries like stroke and spinal cord injury.		x	health, resilience, human health
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 260	Current Issues Related to Air Quality, Climate, and Energy	Current issues related to the atmosphere, climate, and air quality in the context of energy conversion and sustainability. Topics include transportation systems; building design; impacts on humans and ecosystems; modeling and meteorology; economics; and application to public policies.	x		air quality, pollution, sustainability, conservation, transportation, public policy, health, human health, environment
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 213	Electric Propulsion	Space propulsion requirements and maneuvers, stressing those best suited to electric propulsion. An introduction to plasma physics. Electrothermal, electromagnetic and electrostatic accelerators, with emphasis in technologies (ion engines, Hall thrusters and colloidal thrusters) belonging to the latter family.		x	electric, power, energy, clean energy, alternative energy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 211P	Energy Storage Systems and Technology	Basic principles, design, and operation of energy storage systems and technology including lithium ion battery systems for transportation and stationary applications, for flow batteries (e.g., vanadium redox, sodium sulfur), and for reversible fuel cell electrolyzer systems and hydrogen energy storage.		x	fuel cell, alternative energy, energy, transportation, hydrogen
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 212	Engineering Electrochemistry: Fundamentals and Applications	Introduction to engineering electrochemistry fundamentals and applications. Examine thermodynamics and transport principles in typical electrochemical systems. Electrochemical sensors, batteries, fuel cells, and supercapacitors. Manufacturing aspects will also be covered.		x	fuel cells, alternative energy, manufacturing, electric, fuel, catalysis
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 212P	Engineering Electrochemistry: Fundamentals and Applications	Introduction to engineering electrochemistry fundamentals and applications. Examine thermodynamics and transport principles in typical electrochemical systems. Electrochemical sensors, batteries, fuel cells, and supercapacitors. Manufacturing aspects are also covered.		x	fuel cells, alternative energy, manufacturing, electric, fuel, catalysis
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 214A	Fuel Cell Fundamentals and Technology	Introduction to electrochemistry and electrocatalysis; nature of fuel-cell electrodes and electrolytes; charge transfer reactions at interfaces; charge transport and mass transport processes; fuel processing reactions; determination of fuel cell efficiency, fuel flexibility, emissions and other characteristics.		x	electric, catalysis, fuel, fuel cell, emissions, energy efficiency, energy, efficiency
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 254	Mechanics of Solids and Structures	Finite deformation kinematics; stress and strain measures; invariance in solid mechanics; objective rates; constitutive theory of elastic and inelastic solids; rate formulations; computational approaches; theories of plates and shells; applications to aerospace vehicles.		x	implications for: transportation, travel, safety, resilience, environmental hazards

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 219P	Solar and Renewable Energy Systems	Basic principles, design, and operation of solar and other renewable energy systems including solar photo-voltaic, solar thermal, wind, and PEM fuel cell. Includes power generation and storage, and renewable fuels for transportation and stationary power generation.	x		solar energy, renewable energy, photovoltaic, wind energy, fuel cell, energy, power, alternative energy, transportation
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 218	Sustainable Energy Systems	Basic principles, design and operation of sustainable energy systems including wind, solar photo-voltaic and thermal, hydroelectric, geothermal, oceanic, biomass combustion, advanced coal and next generation nuclear. Includes power generation, storage, and transmission for stationary power generation.	x		sustainable, energy, renewable energy, wind energy, solar energy, photovoltaic, hydropower, ocean, combustion, coal, nuclear
Engineering	Mechanical and Aerospace Engineering	Graduate	MAE 218P	Sustainable Energy Systems	Basic principles, design, and operation of sustainable energy systems including wind, solar photo-voltaic and thermal, hydroelectric, geothermal, oceanic, biomass combustion, advanced coal, and next generation nuclear. Includes power generation, storage, and transmission for stationary power generation.	x		sustainable, energy, renewable energy, wind energy, solar energy, photovoltaic, hydropower, ocean, combustion, coal, nuclear
Engineering	School of Engineering Core	Graduate	ENGR 280	Entrepreneurship for Scientists and Engineers	Learn the theory and practice of entrepreneurship and intrapreneurship. Covers positioning an idea, establishing the value propositions and benefits case, going to market strategy, creating an execution plan, and raising funds. Concepts are applied to a real-world venture project.		x	development, planning
Engineering	School of Engineering Core	Graduate	ENGR 200BP	Entrepreneurship Science and Engineering: Build	Learn how to build an executable plan to transform an idea into a product. Learn how to construct a go-to market plan, raise funds for building the product, and leverage ecosystem resources to fill in resource gaps.		x	ecosystem, sufficient resources, resources, resource efficiency
<b>Total Engineering</b>						<b>10</b>	<b>53</b>	
Humanities	Art History	Graduate	AHIS 255B	Medieval India	Begins with the Gupta period's aesthetic legacies in South Asia's architecture, sculpture, and painting. Explores the dispersal of Islam throughout South Asia, including the Muslim communities of southern India.		x	communities, international, global, moral and spiritual education, cultural diversity, culture, cultural heritage

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	Asian American Studies	Graduate	ASAM 200B	Contemporary Issues in Asian American Studies	Examines the interrelations between history, theory, and race in the aftermath of the twentieth-century decolonial movements, offering an account of race through postcolonial and postnationalist approaches in comparative contexts. Considers the interventions made by transnational feminist and racialized queer critiques.		x	gender-sensitive, gender equality, discrimination, minorities
Humanities	Asian American Studies	Graduate	ASAM 200C	Leadership and Social Change in Asian American Communities	Introduces students to models of community-engaged learning and leadership that are central to the field of Asian American studies. Designed to expose students to histories and models of organizing in Asian American communities and forms of community-based research.		x	community-based research, community-based participatory action research, community, engage, minorities, social change, solidarity, discrimination
Humanities	Comparative Literature	Graduate	CLTH 200B	Libidinal Economy: Methods and Critique	Introduction to canonical texts in psychoanalysis coupled with an examination of the questions of race, gender, ethnicity, and sexuality that distend the calculus of the canon's assumptive logic. May be taken before CLTH 200A.		x	discrimination, gender-sensitive, economy
Humanities	Comparative Literature	Graduate	CLTH 200A	Political Economy: Methods and Critique	Introduction to canonical texts in Marxism coupled with an examination of the questions of race, gender, ethnicity, and sexuality that distend the calculus of the canon's assumptive logic. May be taken after CLTH 200B.		x	discrimination, gender-sensitive, economy
Humanities	Gender and Sexuality Studies	Graduate	GNSX 200A	Feminist Knowledge and Social Change	Provides a broad and introductory overview of Women's Studies and feminist knowledge, including key concepts, theoretical frameworks, disciplinary approaches and methods, and critical debates that have shaped the field.		x	gender disparities, gender inequality, social, social change, gender-sensitive, equality
Humanities	School of Humanities Core	Graduate	CLTH 242	Afro-Pessimism and the Status of the Subject	Afro-Pessimism theorizes the Black as a being against which all other beings become legible as human subjects. Focuses on either the subject of psychoanalysis or the subject of capital accumulation in their explorations of the antagonism between Blackness.		x	discrimination, minorities, capital, culture of tolerance, diversity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Humanities	School of Humanities Core	Graduate	MDHM 200	Critical Perspectives in Medical Humanities	Analyzes social and cultural understandings of the body, health, illness, medicine, and disease. Themes include critical histories of the body; non-compliant subjects interacting with medicine; racial-sexual hierarchies of health; and theories and expressions of pain and suffering.		x	disease, culture, health, human health, gender inequality, gender disparities, bodily health, discrimination
Humanities	School of Humanities Core	Graduate	HUM 398A	Foreign Language Teaching: Approaches and Methods	Introduces approaches and methods of foreign language learning and teaching, and the theoretical models of second-language acquisition and teaching. Focus areas include lesson planning, teaching vocabulary, grammar, speaking, reading, writing, listening, culture, task-based teaching, uses of digital media.		x	education, quality education, cultural
Humanities	School of Humanities Core	Graduate	HUM 398B	Foreign Language Teaching: Approaches and Methods	Introduces approaches and methods of foreign language learning and teaching, and the theoretical models of second-language acquisition and teaching. Focus areas include lesson planning, teaching vocabulary, grammar, speaking, reading, writing, listening, culture, task-based teaching, uses of digital media.		x	education, quality education, cultural
Humanities	School of Humanities Core	Graduate	CLTH 200C	Theory from Below	Introduction to systems of thought understudied or undervalued in academic canons--for instance, systems constituted in communities' practices or theories that do not seek permanence or generality.		x	traditional knowledge, community, diversity, culture, cultural heritage
<b>Total Humanities</b>						<b>0</b>	<b>11</b>	
Information and Computer Sciences	Computer Science	Graduate	CS 274D	Artificial Intelligence Frontiers: Technical, Ethical, and Societal	Explores the frontiers of artificial intelligence and related technologies with a focus on the underlying ethical, legal, and societal challenges and opportunities they create. Encourages critical thinking about these issues.		x	society, ethics, law and regulation
Information and Computer Sciences	Computer Science	Graduate	CS 284C	Computational Systems Biology	Computational inference and modeling of gene regulation networks, signal transduction pathways, and the effects of regulatory networks in cellular processes, development, and disease. Introduction of required mathematical, computational, and data handling tools.		x	genetic diversity, development, disease, health, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Information and Computer Sciences	Computer Science	Graduate	CS 205	Computer and Systems Security	Lecture and discuss latest security research in software, OS, protocols, mobile devices, machine learning, sensors, and emerging IoT/CPS systems such as smart home and smart transportation. Students perform research projects and gain hands-on experience evaluating and designing secure systems.		x	safety, human health, human rights, basic rights
Information and Computer Sciences	Computer Science	Graduate	CS 285	Mathematical and Computational Biology	Analytical and numerical methods for dynamical systems, temporal-spatial dynamics, steady state, stability, stochasticity. Application to life sciences: genetics, tissue growth and patterning, cancers, ion channels gating, signaling networks, morphogen gradients. Probabilistic methods.		x	human health, health, living beings, genetic resources, regenerative capacity, disease
Information and Computer Sciences	Computer Science	Graduate	SWE 266P	Software Security and Dependability	Principles and concepts for the design and construction of secure software. Topics include common types of software security vulnerabilities, methods for detecting vulnerabilities, design and process methodologies to improve security of software, and techniques for assessing security properties of software.		x	vulnerable, safety
Information and Computer Sciences	Informatics	Graduate	INF 267	Digital Media and Society	Selected topics in the technological and social aspects of online interactions, and policy including online games, social media, electronic activism, e-commerce, and digital libraries. Media-theoretic approaches to digital technology. Architectures, infrastructure considerations, and their consequences.		x	policy, social, society, economic
Information and Computer Sciences	Informatics	Graduate	SWE 234	Human Aspects of Software Engineering	Selected topics about the cooperative and human aspects of software engineering from the perspective that software engineering is inherently an endeavor involving human stakeholders. Topics may include but are not limited to collaboration, trust, emotion, language, gender, and software tools.		x	collaborative, interdependent, multi-stakeholder partnerships, gender-sensitive, disability-sensitive

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Information and Computer Sciences	Informatics	Graduate	SWE 272P	Project Management	Provides an introduction to project management in software engineering from several perspectives. Topics include team behavior; globally distributed work; resource estimation, scheduling, and budgeting. Students apply their knowledge in an ongoing class project.		x	global, resource efficiency, resources, cooperation
Information and Computer Sciences	Informatics	Graduate	INF 261	Social Analysis of Computing	The social and economic impacts of computing and information technologies on groups, organizations, and society. Topics include computerization and changes in the character of work, social control and privacy, electronic communities, and risks of safety-critical systems to people.		x	social, economics, safety, rights, communities, society
Information and Computer Sciences	Informatics	Graduate	INF 231	User Interface Design and Evaluation	Introduction to the design and evaluation of user interfaces, with an emphasis on methodology. Cognitive principles, design life cycle, on-line and off-line prototyping techniques. Toolkits and architectures for interactive systems. Evaluation techniques, including heuristic and laboratory methods.		x	design, life cycle, interdependent
Information and Computer Sciences	Statistics	Graduate	STAT 265	Causal Inference	Various approaches to causal inference focusing on the Rubin causal model and propensity-score methods. Topics include randomized experiments, observational studies, non-compliance, ignorable and non-ignorable treatment assignment, instrumental variables, and sensitivity analysis. Applications from economics, politics, education, and medicine.		x	economic, education, health, human health
<b>Total Information and Computer Sciences</b>						<b>0</b>	<b>11</b>	
Interdisciplinary	Computer Science	Graduate	ECPS 209	Cyber-Physical Systems Case Studies	Covers CPS case studies in applications such as (but not limited to): automotive and transportation, manufacturing, power distribution grid, medical and healthcare, robotics, civil infrastructure, avionics.		x	transportation, manufacturing, power, energy, health, human health, infrastructure
Interdisciplinary	Pharmaceutical Sciences	Graduate	MPHR 283	Cardiovascular Pharmacology	Basic understanding of drugs used in the prevention and treatment of cardiovascular disease. Mechanisms of action, clinical and adverse effects.		x	disease, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Interdisciplinary	Pharmaceutical Sciences	Graduate	MPHR 278	Concepts in Drug Discovery	Critical steps involved in discovery and optimization of a new drug. Target selection, relationship of molecular structure to pharmacological activities, screening methods, strategies to identify lead compounds, and preclinical characterization necessary for development of the drug for clinical trials.		x	human health, unintentional poisoning, contamination, health
Interdisciplinary	Pharmaceutical Sciences	Graduate	MPHR 284	Endocrine, Respiratory, and Gastrointestinal Pharmacology	Basic understanding of drugs used in endocrine, respiratory, and gastrointestinal conditions, including hormone replacement, contraceptives, and drugs for diabetes, asthma, obesity, ulcer, and gastric reflux. Mechanisms of drug action, clinical and adverse effects.		x	disease, human health, health
Interdisciplinary	Pharmaceutical Sciences	Graduate	MPHR 257	Ethics in Research	Ethical conduct in research including data handling, authorship, conflict of interest, animal rights, handling of misconduct.		x	ethics, cruelty to animals, humane, rights
Interdisciplinary	Pharmaceutical Sciences	Graduate	MPHR 277	Ethics in Scientific Research	Ethical conduct in research including data handling, authorship, conflict of interest, animal rights, and handling of misconduct.		x	ethics, cruelty to animals, humane, rights
Interdisciplinary	Pharmaceutical Sciences	Graduate	MPHR 271	Principles of Pharmacology	Principles of pharmacology: pharmacodynamics, pharmacokinetics, pharmacogenetics, drug interactions, and toxicity.		x	toxic, human health, health, disease
<b>Total Interdisciplinary</b>						<b>0</b>	<b>7</b>	
Law	Law	Graduate	LAW 510	Administrative Law	This course provides a general overview of the law governing our nation's governmental agencies assigned with the responsibility of implementing various social, economic, and quality-of-life programs. Although this class will have a substantive component, it will largely focus on how structure and process can shape substantive outcomes.		x	social, economic, law and regulation, responsibility, effective governance, quality of life

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5135	Advanced Criminal Procedure	This course covers the study of the Fourth, Fifth, and Sixth Amendments to the United States Constitution through the lens of the Supreme Court's jurisprudence. Advanced Criminal Procedure provides an in depth review of constitutional issues triggered during the adjudication of a criminal case. The course will address issues that arise before and during a criminal trial and the remedies available for constitutional violations.		x	rights, justice, human rights, governance, law and regulation
Law	Law	Graduate	LAW 5132	Advanced Torts	This Advanced Torts class will focus mainly on two topics: the tort of defamation and the tort of invasion of privacy (embracing disclosure of private facts, intrusion upon seclusion, false light, and appropriation of name or likeness). It is possible that we will also address aspects of the tort of misrepresentation. The course will carefully review the constitutional limits on these torts. We will also explore how recent developments in artificial intelligence and digital technology might affect the applicability and desirability of these traditional tort principles.		x	law and regulation, human rights, basic rights, rights
Law	Law	Graduate	LAW 5658	Animal Law: Litigation	This course will introduce students to the status of animals in our legal system, as well as the use of litigation as a tool to increase legal protections for animals. Through the study of a specific case, students will learn the basics of animal law litigation, such as standing, cause of action, case development and strategy, discovery, and remedies.		x	ethics, cruelty to animals, law and regulation, living beings, moral and spiritual education

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5677	Art Law	This course will introduce students to major legal issues relating to the visual arts, including the meaning and purpose of art; First Amendment issues (freedom of speech, censorship and obscenity); artist's rights (copyright and moral rights); copyright formalities (registration, fair use and infringement issues); analysis of appropriation art; negotiations of art agreements (commissions, licensing, art studios and art galleries); plundering and destruction of artworks; and major players in the art market, including galleries, dealers, collectors, and museums.		x	freedom of expression, rights, human rights, cultural heritage, law and regulation, moral and spiritual education, ethics
Law	Law	Graduate	LAW 5633	Biotechnology and The Law	Biotechnology and The Law is a survey class, examining the intersections of law, medicine, and technology. The course engages policy as well as case law. Issues covered in this course span food and drug regulation, clinical trials, assisted reproductive technology, telemedicine, DNA and the courts, regulation of stem cell development, and genetic commercialization of the human body. We will also engage current topics. This course requires substantial reading, preparation, organization, and the ability to analyze subtle nuances between various judicial decisions, legislative enactments and the legal rules, which sometimes may seem in conflict. Students will cover problems in need of solutions. We will examine whether the various issues emerging from biotechnology conflicts are best resolved by regulation, judicial intervention, or private negotiation. This course is a building block for the other courses in the health law curriculum, including Food & Drug Law, Health Regulations, and Bioethics. The core competencies expected in this class are critical thinking and the application of social, legal, moral, and economic reasoning.		x	law and regulation, human health, ethics, development, moral and spiritual education, health, society, economic, safety, reproductive health, reproductive rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5702	C.A.S.S.T.E - Critical Approaches to Subjectivity, Solidarities & Theories of Equality	This seminar has three interrelated agendas. The first is to familiarize ourselves with a range of identity theories that allows us to locate law and legal institutions in more critical context. The second is to think rigorously about law's justification of these identity categories, their use, and the ways in which they produce "stable" and "non problematic" actors. The third is to think - no, dream sustainably, with intention - about ways in which we as lawyers can rethink our solidarities given these relationships between identity and the law. No matter our positionality - although our positionality is always central - how do we consider our own commitments, contributions, and communities? That is the central - and difficult - deliberation that will tie together this seminar's conversations. Note that while race will be a key focus in this class, we will also focus on other identity categories and their intersections (including non-binary bodies, differently able bodies, decolonized and religiously persecuted identities).	x		discrimination, disability-sensitive, persons with disabilities, equality, equity, communities, sustainable
Law	Law	Graduate	LAW 5789	Climate Justice	A course examining climate justice from the legal perspective.	x		climate, environmental justice, justice, law and regulation, equity

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5909	Colloquium: AI & the Law	Machine learning and automated decision making systems, colloquially dubbed "artificial intelligence" or "AI" systems are increasingly being deployed across a range of social activities, raising questions regarding oversight, individual rights, liability, and justice. 21st Century lawyers will routinely confront such technological issues as matter of first impression, without the benefit of previous judicial precedent or legislative enactments, and must learn how and when to rely on academic commentary for novel solutions. Students in this weekly seminar will read and discuss materials on a variety of legal topics related to AI, and will engage with leading thinkers on AI issues to develop an hone critical analysis of issues in law and technology.		x	rights, justice, law and regulation, social, human rights
Law	Law	Graduate	LAW 501	Common Law Analysis: Torts	This course considers the law of negligence, products liability, and intentional wrongdoing to examine how courts make rules, how those rules change over time, and the role of lawyers in causing such change.		x	law and regulation, policy, social change, adapt, ethics, governance
Law	Law	Graduate	LAW 541	Community Property	This class will provide a practical understanding of community property such as its development; classification of types of property; applicability to nonmarital cohabitation partners as well as marital; management and division upon divorce or death.		x	community, development, law and regulation, rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5517	Comparative Law	This seminar provides an introduction to comparative law, focusing on the civil law tradition, which emerged in continental Europe and now encompasses many parts of the world, including Latin America, Asia, and Africa; the common law tradition, which originated in England; and the Islamic legal tradition, which emerged in Southwest Asia and covers a diverse geography that spans from North Africa to Southeast Asia and beyond. We will then study the civil law, common law, and Islamic law traditions, focusing on three themes: (1) historical formation and legal change; (2) legal structures, institutions, and professions; and (3) sources of law, legal interpretation, and legal process. We will engage in contextualized case studies of legal systems within each legal tradition, and also draw comparisons between the common law systems of the United Kingdom and the United States. Finally, we will consider to what extent differences between legal traditions have persisted into the contemporary period, and to what extent trends towards convergence between legal traditions are unfolding.		x	effective governance, law and regulation, international, diversity, cultural significance, geography, global, civil society, policy
Law	Law	Graduate	LAW 512	Constitutional Law: First Amendment	This course will examine the First Amendment's protection of freedom of speech, press, assembly and association. The course also will examine the First Amendment's protection of religious freedom, considering both the prohibition of establishment of religion and the protection for free exercise of religion.		x	freedom of expression, freedom of association, rights, human rights, moral and spiritual education, freedom of opinion, law and regulation, governance

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 545	Copyright Law	This course provides an introduction to the fundamental principles, policies, and issues in U.S. copyright law, the primary body of law protecting rights in works of authorship (such as books, music, movies, artworks, etc.). Some attention will be given to copyright issues raised by the widespread deployment of computers and computer networks such as the Internet, but digital copyright issues will not be the primary focus. The course concentrates on the law of the United States rather than on issues of foreign and international law. There are no prerequisites for this course, and no technical background is necessary. Laptops and other digital devices may not be used during class meetings.		x	effective governance, law and regulation, rights, policy, public policy
Law	Law	Graduate	LAW 5116	COVID-19 & Civil Rights	The fall semester will consist of a seminar focusing on COVID-19 and its disproportionate impact on black and brown communities. We will examine structural racism and its effects on health, wealth, education, employment, housing, and governmental and private benefits. During the fall term, we will focus on studying COVID-19 and the legal and policy issues implicated by the pandemic, working jointly to identify areas for reform. Students will produce a report in the fall that can be published and used by advocates to push for particular reforms. Based on that comprehensive research and analysis—which will require students to work with and learn from partners in the community - the spring term will be clinical in nature, as we move forward, informed by our work during the fall, to institute litigation or a policy initiative.		x	health, human health, ethics, rights, human rights, law and regulation, discrimination, equity, minorities, communities, education, gap between rich and poor, policy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 513	Criminal Procedure	This course will cover the basic constitutional rights associated with the investigation and prosecution of individuals accused of crimes. Particular emphasis will focus on the 4th Amendment's prohibition against unreasonable searches and seizures; the 5th Amendment's protection against self-incrimination and double jeopardy; and the 6th Amendment's right to a jury trial, right to confrontation, and right to have the assistance of counsel. To the extent possible, the class will use materials from real cases, including actual police reports and preliminary hearing transcripts.		x	policy, law and regulation, rights, human rights, justice
Law	Law	Graduate	LAW 5941	Criminal Trial Advocacy: Prosecution and Defense Perspectives	This trial advocacy course offers students a unique opportunity to learn fundamental trial skills against the backdrop of studying real criminal trials. Through the study of video footage and trial transcripts, students will examine trial techniques as they were executed in some of the greatest criminal trials in history. For example, students will get to study one of the best opening statements ever given: the prosecution's opening in the McVeigh trial. Likewise, students will see unforgettable video footage of the execution of specific trial techniques in the Simpson criminal trial. Such footage includes F. Lee Bailey's cross-examination of Mark Fuhrman, Christopher Darden's direct examination of a key witness, and Johnnie Cochran's closing argument. The goal of the course is to learn criminal trial advocacy from both the prosecution and defense perspectives.		x	justice, law and regulation, policy, rights, human rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 576	Education Law & Policy	This course will provide an overview of the development of law applicable to institutions of learning. Underlying issues we will explore include the purpose of education, the role of government in education, the right to control educational processes and content, and the accessibility of educational opportunity. As we cover specific topics, we will discuss the law applied but will also explore questions of educational efficacy. We will cover litigation over desegregation, schoolhouse rights (including policies on discipline, safety and expression), broadening definitions of diversity, and funding equity.		x	education, safety, equity, diversity, development, law and regulation, equal access
Law	Law	Graduate	LAW 5453	Electronic Discovery	For the next generation of lawyers, technical proficiency in e-discovery is not only advantageous, but essential to litigation practice. Today, a wealth of potential evidence is contained in e-mails, text messages, instant messages, and other electronic files. In fact, 90% of data is now preserved electronically, and two-thirds of the Internet population uses social media sites such as Facebook, Twitter and LinkedIn. This course is an extensive and practical introduction to e-discovery. It will review emerging hot topics, including social media and privacy issues; preservation obligations and spoliation; privilege waivers; admissibility of electronic evidence; and ethical obligations.		x	human rights, rights, social, ethics, moral and spiritual education, law and regulation
Law	Law	Graduate	LAW 530	Employment Discrimination Law	This course examines federal and state laws prohibiting discrimination and harassment in employment based on race, religion, national origin, gender, gender-identity, sexual orientation, disability, age, and other protected statuses. In addition to covering the doctrine, theory, and history of anti-discrimination law, the course studies the procedure for litigating such cases and the lawyer's role in counseling clients about compliance.		x	gender-sensitive, gender equality, gender disparities, discrimination, gender pay gap, law and regulation, minorities, labor rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 531	Employment Law	This course explores the relationship between employer and employee and their respective rights, duties and legal obligations. It addresses a variety of topics that control the employer-employee relationship, including hiring, termination, wages and hours, leaves of absence, and emerging issues such as privacy rights in the workplace and social media. It also introduces students to federal laws limiting employment discrimination based on race, gender, and religion.		x	rights, labor rights, discrimination, minorities, gender-sensitive, gender equality, gender pay gap, equal pay, social, law and regulation
Law	Law	Graduate	LAW 578	Environmental Law	This course is a survey of environmental common law and the major federal environmental statutes, including the Clean Air Act, Clean Water Act, National Environmental Policy Act, Endangered Species Act, and the hazardous waste and toxic substance statutes. It explores foundational issues of statutory and regulatory analysis, ethics, politics, and economics in these various legal contexts. The course focuses on analyzing regulatory structure (i.e., the variety of existing and potential regulatory mechanisms for protecting and regulating usage of the environment) rather than either a superficial overview of every possible environmental topic or comprehensive analysis of only a few environmental statutes. The course also integrates a skills component that explores issues in statutory interpretation, legal ethics, federalism, and standing through several hypothetical problems as practiced from the perspective of environmental groups, government agencies, and regulated entity clients.	x		environmental policy, ethics, law and regulation, clean air, toxicity, economic, environment, governance, policy, endangered species, water, hazardous waste

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 542	Family Law	This course explores how the law constructs, defines, limits, and regulates the family. Topics include marriage and non-marital relationships, divorce and its consequences, child custody and support, adoption, foster care and child placement, reproductive technology and rights, and intimate partner violence. We will discuss the tension between privacy and state intervention in the family and will critically explore theoretical and policy underpinnings of various doctrine.		x	violence, reproductive rights, reproductive health, rights, law and regulation, health, family planning
Law	Law	Graduate	LAW 515	Federal Courts	An advanced course in constitutional law and procedure which examines when federal courts may exercise jurisdiction and provide relief.		x	rights, effective governance, justice, law and regulation, human rights
Law	Law	Graduate	LAW 5700	GUILT: Gendered Understandings in Law and Legal Theory	This course is meant to train you to think more critically about the complicated relationships between gender, law, and society. Across a range of contexts and levels of analysis, we will consider the importance of dissecting law with a gendered lens and ask: what are the underlying assumptions to law when we see it through a gendered lens? To conduct this interrogation, the first few weeks of this course will set up a strong theoretical grounding and a feminist framework for legal analysis. In the weeks following, we will use these frameworks to consider different areas of law and policy, especially considering the ways they intersect with other identity categories like race, class, national context, and ability. Although we will spend time talking about what have typically been thought of as gender issues (e.g. identity, debates around the body, sexual harassment), the goal of the class is to equip you to unpack gendered meanings across intersectional contexts and to cultivate an understanding of most processes as inherently gendered even when they do not expressly call attention to gender.		x	society, law and regulation, gender-sensitive, gender disparities, gender equality, rights, human rights, policy, discrimination, minorities, the poor, gap between rich and poor

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5006	Happiness and Peak Performance for Law Students	This course teaches the components of self-mastery to law students interested in improving their academic success, emotional well-being, and also their overall happiness, productivity, and future success in the legal industry. The legal industry has some of the worst statistics for depression, suicidal ideations, and substance abuse issues. For many students and practitioners the stress includes dimensions of anxiety and other emotional challenges. Stress not only reduces our happiness and joy in life, but it significantly impairs virtually every aspect of our cognitive functioning, including sustained focus, learning, reading comprehension, memory, listening, verbal fluency, written fluency, interpersonal communication, decision-making, discretionary judgment, problem-solving, and creative thinking. If we are overwhelmed by stress, it is a sign that our brain is not functioning at its highest capacity.		x	preventable death, law and regulation, wellness well-being, responsive decision-making, sustainable, health, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 579	Immigration Law & Policy	Immigration Law covers important and complex questions. What criteria are used in determining who can come to the United States as an immigrant or visitor? When and why can noncitizens be forced to leave? What does it mean to be a "citizen"? What is the right balance between openness to outsiders and national security? What is the right balance between efficiency and fundamental due process rights? Answering these questions requires studying a wide variety of sources: statutes, regulations, administrative and federal cases, social science research, and legal scholarship. This course is intended both for those who are considering immigration law as a career and for those who want a general introduction to an important area of law. It will be of particular interest to those considering a practice in administrative, employment, business, criminal, human rights, or family law, and to anyone interested in public policy, constitutional questions, or international issues.		x	migration, migrants, social, law and regulation, human rights, migrant workers, international, public policy, rights, justice, discrimination, safety

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 553	International Environmental Law	What can and should international law and its institutions do to protect the environment? International environmental law is the immense and ever changing field of law which addresses this question with foci on different media [air, water, land...]; approaches [regulatory, trade, economic...]; places; regional differences; and principles. A course on international environmental law is perforce a course on international law. Hence it requires application of the fundamentals of the law that governs more than one nation state. Goals of the Course: This course combines lectures, decision/opinion analysis, reading and exercises to provide you with knowledge of international environmental law in select areas. Those are atmospheric pollution; business and the environment; species and habitat protection; international trade, investment, and the environment; environmental protection of the great seas; and the reach of domestic law by means of extraterritorial application. Our coverage aims to explore the approaches to dispute resolution of these challenges. We will also be introduced to how various theorists have understood the effectiveness of international environmental law and means of improving its effectiveness.	x		international, law and regulation, environmental policy, environment, atmosphere, pollution, protect and restore, habitat, ocean, trade
Law	Law	Graduate	LAW 505	International Legal Analysis	In virtually all fields of practice, from criminal law to family law, business law to immigration, intellectual property to human rights, lawyers increasingly face legal problems that cross international borders. This course focuses on the knowledge and skills needed to analyze and solve these problems, thus providing essential foundations for practicing law in today's globalized world.		x	migration, globalization, migrants, minorities, discrimination, international, justice, law and regulation, human rights, rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 555	International Trade and Investment Law: With a focus on the USA & China	This course introduces students to the legal and policy aspects of international trade and investment law, the two pillars of international economic law, and two areas that have highly developed dispute settlement systems. These two areas of law affect a broad array of national legislation, regulation, and administrative practice, as well as other areas of international law and policy, such as development, human rights, climate change, and other environmental issues. Both policies have raised anxieties regarding their linkages, effects, and overlaps with non-economic issues. The United States, European Union, China, and many other countries are actively engaged in litigation and new negotiations in both fields of law. . In the past, the U.S. always sought protection for its investors in developing countries, but with shifts in the global economy, the U.S. could increasingly be subject to such suits by foreign investors. This course will introduce students to both of these areas of international law practice.	x		international, economic, global, law and regulation, climate change, human rights, environmental, global dialogue, trade, governance, policy, environmental policy, development, developing countries, least developed countries
Law	Law	Graduate	LAW 5143	Intro to CA Federal & Local Rules & Filings	This course introduces students to the legal system in California and how it interacts at the local and federal levels.		x	law and regulation, strengthen local communities, policy, justice
Law	Law	Graduate	LAW 300	Introduction to American Law	This course introduces LL.M. students to the U.S. legal system by considering several central procedural and substantive aspects of American Law. Included among the topics covered are: the basic structure and function of U.S. legal institutions, basics of subject matter and personal jurisdiction of American courts, the interaction of state and federal law in the American system of federalism, selected doctrines of constitutional law, selected topic pertaining to the American criminal and civil justice systems, and trial by jury.		x	justice, civil society, law and regulation, rights, human rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5009	Introduction to Data Privacy & Security Law	This course introduces students to the laws and regulations around data privacy and security in our rapidly growing online world.		x	law and regulation, human rights, adapt, safety, rights, global, policy
Law	Law	Graduate	LAW 5466	Introduction to Intellectual Property	This course introduces students to the laws and regulations around intellectual privacy (e.g., copyrights, trademarks, patents, etc.).		x	law and regulation, rights, human rights, policy
Law	Law	Graduate	LAW 5458	Introduction to Islamic Law	This course provides an introduction to the Islamic legal tradition in comparative historical and contemporary contexts. We will begin with an introduction to the main frameworks, methodologies, and debates in the field of Islamic legal studies. Then, the course will be divided into three main parts. The first part will examine Islamic law in the Late Antique and medieval contexts, focusing on the formation and development of schools of law, the structures and institutions of law, and classical legal theory and interpretation. In the second part we will consider the challenges of modernity and the transformation of Islamic law in the modern and contemporary periods. Finally, in part three we will study selected fields of substantive law, such as family law, criminal law, and constitutional law, in comparative historical and modern contexts. Throughout the course, we will consider the materials in light of four main themes: (1) continuity and change; (2) diversity and legal pluralism; (3) authority and interpretation; and (4) law and ethics.		x	international, cultural diversity, cultural heritage, justice, law and regulation, effective governance, equality, gender equality, diversity, ethics

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 568	Jurisprudence: The Canon of American Legal Thought	The purpose of this course is to introduce you to the substantive canon of American legal thought over the last century so as to think critically about law in relation to broader intellectual projects and social struggles over time. We will read and discuss major works in the canon by leading scholars in the traditions of legal realism, the legal process school, law and economics, law and society, modern liberalism, feminism, and critical legal and critical race studies. Writings will include those by Holmes, Llewellyn, Fuller, Hart and Sacks, Coase, Calabrese and Melamed, Macaulay, Galanter, Dworkin, Chayes, Cover, MacKinnon, and Crenshaw. Students will have the choice of writing four-to-five response papers following course readings, or around a 20-page paper. The course will be of particular interest to any student seeking a basic grounding in legal theory and legal thought, writing a law review article, or pursuing an advanced degree in a related discipline.		x	law and regulation, society, gender equality, gender-sensitive, gender disparities, economics, effective governance, social, discrimination, minorities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 532	Labor Law	This course covers collective action by workers--both contemporary and historical--in the shadow of the National Labor Relations Act, with a primary focus on low-wage, essential workers. We will first undertake a brief survey of work and law in the United States from slavery through the New Deal. Then, unionized workers and the governing federal labor statutory framework will be a focus of this course. Finally, we will survey the current context of work, with focus on particular types of work in the low-wage sector--likely including domestic work, day labor, logistics, hospitality, agricultural, and gig work--and the differential legal protections available to workers engaged in collective action under federal, state, and local law. In each historical phase, we will study a set of topics that may include the law regulating the collective rights of employees, the processes of negotiation and dispute resolution that establish wages and working conditions, the rights of freedom of speech and association in connection with organizing, the use of strikes and economic pressure to resolve negotiating disputes, an/or the various forms of litigation, lobbying, and alternative dispute resolution, including arbitration, that are used to enforce collective bargaining agreements and other statutory labor rights. We will hear directly from organizers and		x	labor rights, law and regulation, economic, discrimination, minorities, global, migrant workers, engagement, governance, freedom of association, freedom of expression, gender pay gap, agriculture, farm
Law	Law	Graduate	LAW 585	Land Use and Development Control Law	This course will focus on the legal framework and some institutional aspects of development and land use control. The perspective is national but there will be a special focus on California. Our aim is to master fundamental legal principles that are implicated in the regulation of private property and in establishing relationships among private interests and public interests as they play out over the use of land. We address state and federal statutory law, local ordinances and authorities, constitutional provisions including the First Amendment and the Takings clause, and the critical function of judicial review in determining ultimately; "Who Decides?"	x		land use, development, law and regulation, rights, nature, environment, urbanization

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5676	Law and Popular Culture: How Films Shape our Image of the Law	Popular culture helps shape our view of society, including our perception and understanding of law, lawyers, and the civil and criminal justice systems. In this course, we will examine legal issues through the lens of film. Each week we will view and discuss a different film. The first seven weeks will be Anatomy of a Murder, To Kill a Mockingbird, Witness for the Prosecution, Inherit the Wind, A Man for All Seasons, Twelve Angry Men, and Philadelphia. The rest of the semester, open to some negotiation, will be from the following: A Few Good Men, A Civil Action, The Paper Chase, Paths of Glory, Breaker Morant, My Cousin Vinny, Presumed Innocent, Judgment at Nuremberg, Kramer vs. Kramer, Reversal of Fortune, Compulsion, In the Name of the Father, and Amistad. We will view the films at an evening session or you can view them on your own, but we will discuss them together at the class, at which attendance is mandatory.		x	law and regulation, society, justice, civil society, policy, discrimination, minorities, equity
Law	Law	Graduate	LAW 5827	Lawyers, Leadership & the Global Landscape	This course will help prepare students for responsible leadership and service in the many roles that lawyers perform both in and out of legal practice, and in their roles as social change agents. Students will be introduced to the basic principles and theories of leadership and ethics, explore leadership more generally, and be given an optional opportunity to do hands-on work with local leaders. The course allows students to both study leadership, develop leadership skills, and apply leadership principles in their current work and in their future practice. Students will hear from seasoned legal practitioners, critically examine leadership traits and styles, and discover and analyze their own strengths and weaknesses as leaders.		x	social change, global, representative decision-making, ethics, law and regulation, justice, moral and spiritual education

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 507	Legal Profession	This course is designed to prepare students to chart rewarding and responsible careers in law. Drawing from various disciplines, including economics, history, sociology, and psychology, we will teach students about the variety of practice settings in which lawyers work and the professional opportunities and challenges of each. We will consider ethical dilemmas that lawyers confront in each of these settings and survey some of the law that governs lawyers and that is particularly salient in each practice type. The course will also address larger issues facing the profession as a whole - including the legal services market and its regulation, the distribution of legal services, the profession's demographics, social structure, and working conditions, and the implications of globalization for the profession.		x	society, law and regulation, justice, globalization, ethics, moral and spiritual education, economic, well-being, wellness
Law	Law	Graduate	LAW 5266	Low Wage Workers	This course teaches students laws and regulations around low wage employment and low wage workers.		x	discrimination, law and regulation, labor rights, precarious employment, the poor, equity, equality
Law	Law	Graduate	LAW 5292	Noncitizens in the Criminal Legal System	This seminar will explore the contemporary relationship between the criminal and immigration law systems. We will begin with a study of the increasing use of the criminal justice system as an immigration enforcement tool and the legal, policy and social justice implications of this trend. Next, we will examine consequences that criminal arrests and convictions can have on a noncitizen's residency status or eligibility for relief from deportation. Participants will learn how to analyze relevant statutes and cases in this highly technical but essential area of law for any future criminal law or immigration practitioner. Finally, we will discuss the criminal regulation of migration at the federal and state level, and in particular, the constitutional limits of criminal regulation of migration at the state level.		x	migration, migrants, social justice, justice, law and regulation, discrimination, international, policy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5144	Pay Equity Seminar	Women who work full-time in the United States earn on average 80 cents for every dollar men earn. The gender pay gap is even wider for women of color. This seminar will introduce students to the pervasive problem of gender pay inequality in the United States, including its causes and impacts. The seminar will survey federal and selected state employment laws that mandate equal pay, including new and proposed laws. Students will also critically examine the role and efficacy of litigation, legislation, and other tools for reducing pay inequity.		x	equity, gender-sensitive, gender pay gap, gender inequality, gender disparities, discrimination, minorities, equality, law and regulation
Law	Law	Graduate	LAW 5921	Problem Solving, Decision Making & Professional Judgement	This course would be offered in seminar/workshop format, two hours (1 meeting) a week for the whole semester. The text would be Paul Brest and Linda Krieger, Problem Solving, Decision Making and Professional Judgment, a text that has been in use for a similar course at Stanford Law since 2010. The course will cover decision-making and game theory, social, psychological and cognitive impediments to good decision-making, heuristic strategies, some leadership skills, some quantitative (basic probabilistic reasoning) statistics, and creative problem solving. The course will ask students to focus on a particular set of legal or social problems (e.g. homelessness, climate change, online privacy and security) and to develop an action plan for dealing with the problem with legal, political and social answers.		x	social, climate change, policy, development, law and regulation, rights, human rights, representative decision-making, social change

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 303	Professional Responsibility, Globalization, and the Legal Profession in the United States	In this course, foreign lawyers will be introduced to the basic rules of professional responsibility that regulate the American legal profession, with a focus on the California Rules of Professional Conduct. The class also provides an understanding of various legal practice settings in which LL.M. graduates might work in the U.S. or interact with in a transnational practice in their home countries in particular, corporate law firms, so-called "boutiques", solo and small firms, and a variety of nongovernmental organizations and public interest law firms. Guest speakers will provide some of the context on internationalized legal careers and also serve as mentors, sharing their experiences with LL.M. students from outside the United States.		x	responsibility, international, law and regulation, globalization, global, responsible institution
Law	Law	Graduate	LAW 517	Property	This course serves as a survey introduction to the range of interests that one can own as property, how one acquires and conveys legal rights in property, the rights included with property ownership, and the power of the government to regulate the use of property. The varied course segments will familiarize you with various doctrinal areas as a springboard for more advanced property courses. Much of the course considers the ownership and use of real property, covering such topics as the estates system, private land use controls, zoning, the government's eminent domain power, and takings law. However, the course also examines intellectual and personal property.		x	land use, development, rights, law and regulation, governance

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5907	Pushing the AI Frontier: Its Impact on Law, Policy and the Legal Profession	This course is an ongoing process that immerses the students in the world of artificial intelligence and other technologies that are fundamentally changing the way we practice law. It combines both guest lecturers and real world projects for both the law and the policy of technology in the legal arena. While we may touch upon various technologies including blockchain, the Internet of Things, and virtual/augmented reality, heavy emphasis will once again be placed on the impact of artificial intelligence. The course will begin by teaching the students how to understand, use, apply and create new uses for these technologies in the law. We will then focus on the legal understanding of technology, the fundamental concepts and processes of how it works, and on a framework to understand how lawyers can use these technologies in and out of the courtroom and drive technological change within legal services. Finally, we will touch upon the current state of the law and regulatory arena as it relates to the use of technology in the law and seek real life changes where necessary.		x	law and regulation, policy, adapt, future generations

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5778	Race, Law & Capitalism	<p>This course will explore interrelated issues of race, law, and capitalism in American history. We will focus on the U.S. legal apparatus that created and enforced racial exclusions. We will explore federal and local laws and institutions in the United States that maintained a racial order and the continuing effects of those laws. The course will focus particularly on how segregation and discrimination encoded in law affected the US economy and created a racial wealth gap. We will also explore issues related to criminal justice, policing, and race-based political discourse. Students will explore the role of lawyers, courts, legislators, police, and other officials in enforcing a racialized economic and social order.</p>		x	discrimination, law and regulation, economic, social, minorities, equity, equality, gap between rich and poor, justice, the poor
Law	Law	Graduate	LAW 5283	Securities Regulation	<p>This course primarily covers (1) The regulation and process of private and public offerings of securities; and (2) Securities law liability and antifraud provisions. It will also address a number of additional topics, including securities law enforcement, secondary market transactions, the periodic reporting obligations of publicly traded companies, and selected comparative securities regulation topics. This course will pay particular attention to the business contexts within securities laws and regulations operate globally, the operation of global capital markets and the roles and functions of lawyers within such contexts.</p>		x	trade, law and regulation, justice, global, capital

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5668	Sexual Orientation and the Law	This course will explore the role of the law in shaping the social meaning of heterosexuality and of lesbian, gay, and bisexual identities in a number of contexts, including employment, family relationships, education, immigration, the military, and marriage. The course will examine both state and federal law, as well as providing historical context for the current debates about gay rights. There will be an emphasis on constitutional doctrines, including equal protection, due process/privacy, and freedom of speech and association, as well as how the law affects the lives of gay people and the practicalities of gay rights litigation.		x	discrimination, law and regulation, gender-sensitive, gender equality, gender disparities, rights, equal rights, human rights, freedom of association, freedom of expression, education, migration, migrants, minorities, social
Law	Law	Graduate	LAW 5840	So You Want to Change the Law? Mastering the Legislative and Congressional Process and Politics	Taught by two retired state senators, this practical based seminar will focus the students on effectuating changes in the law when dealing with complex legal problems they will face in their legal careers. Litigation may not be the best answer, changing the law may be. In this course, the student will learn the state and federal processes from developing legislative proposals and setting the advocacy stage, to bill introduction, through policy and fiscal committee obstacles, to floor votes, and finally, possible signature by the governor or president. The students will also learn the roles of the various players in the process from constituents, to legislative members who author bills, to legislative staff including the all-important fiscal and policy committee staff, to executive staff, to lobbyists from both supporters and opponents of legislative proposals, as well as many other less obvious players that may be critical to success in the process.		x	social change, law and regulation, governance, policy, public policy
Law	Law	Graduate	LAW 5913	Social Dilemma: Introduction to AI & Its Challenges & Opportunities	This course will provide students with an understanding of artificial intelligence and the opportunities and challenges AI poses for law and society.		x	law and regulation, society, future generations, safety, rights, social

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5998	Socio Legal Studies Colloquium	This SLS colloquium offers law students a chance to engage with empirical research on socio legal studies by researchers and scholars across the University and discuss its implications for law and legal policy. Topics for this Fall Colloquium include, projects on immigration policy and romance, the fundamentals of socio-legal theory, organizational clemency and post treatment desirability for guns. In the Spring, research that will be presented in the Colloquium include, among others, projects on gender and global mobility, racial subjugation of black men in higher education, civil rights in the Latinx Community, and inequality projects on LAPD oversight and disability regimes in the global context.		x	society, law and regulation, global, gender-sensitive, gender equality, gender disparities, justice, minorities, discrimination, disability-sensitive, policy, public policy, illicit arms, rights, migration, persons with disabilities
Law	Law	Graduate	LAW 5454	Technology, Law, and the Public Interest: An Exploration Through Film	In this seminar, we explore the many ways in which the law interacts with technology in ways that affect the public interest. How is the rapid pace of technological development changing society? What is the relationship between patent law and public health? Why is privacy important and what is the laws role in protecting it? In this class we will examine all of these questions and more, using a variety of films as texts and discussion points. Each Monday afternoon, we will meet to screen a film and then have a short discussion about it. On Thursday morning, we will meet to continue our discussion as we explore the various legal, ethical, and policy issues it raises, often with the director or other guests joining us. By the end of the course, students will have a working knowledge of the legal, ethical, and policy issues surrounding the major controversies of the day in technology and intellectual property law. They will also have deepened their understanding of how technology affects the public interest, and will have thoroughly explored the role of the law and lawyer in that dynamic.		x	law and regulation, ethics, moral and spiritual education, policy, public policy, rights, society, adapt, development, public health, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5509	The Chinese Legal System	This seminar provides a general survey of the Chinese legal system. It begins by introducing the political and social contexts of China's legal reform in the past four decades. Next, it examines the organization of Chinese courts, the emergence and growth of the Chinese legal profession, and the expansion of the judicial power. The seminar then focuses on several major Chinese statutes (e.g., property, contracts, criminal law, etc.). We will look at both the laws in books and the laws in action.		x	law and regulation, global, international, cultural heritage, culture, diversity, justice, social change
Law	Law	Graduate	LAW 548	Trademark Law	This course provides an introduction to the basic principles, policies, and issues in U.S. trademark law, which confers rights in symbols that identify the source of a good or service, as well as related areas of unfair competition. The course concentrates on the law of the United States (both state and federal) rather than on issues of foreign and international law. There are no prerequisites for this course, and no technical background is necessary.		x	policy, law and regulation, international, fair, rights

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	LAW 5686	U.S. Law, Policy & Native Nations	The laws/policies governing the Native Nations touch on many of the foundational principles, and central historical moments constituting the contemporary fabric of US politics, society and culture. Regionally, the interface of Federal, State and Native Nation law directly impacts a host of everyday life in Southern California, whether it be community health and welfare, economic development, environmental management, energy development, and many others. It does mean however that this will not be a "typical" law school course, insofar as understanding the import of the relevant cases and legislation regarding Native Americans require the proper historical contextualization in order to understand how they shaped, and continue to shape the place that Native peoples have in the US today. To this end, the course will necessarily be sacrificing the goal of an exhaustive review of American Indian Law in exchange for selecting key cases and subtopics (Criminal and Civil Jurisdiction, Civil Rights, Family Law, Gaming, Taxation, Tribal-State Relations, Water Rights, and others) and exploring them in greater depth than would otherwise be possible.	x		health, community, indigenous peoples, policy, law and regulation, traditional knowledge, rights, water, environmental policy, energy, development, environment, human communities
<b>Total Law</b>						<b>7</b>	<b>51</b>	
Medicine	Biological Chemistry	Graduate	BIOC 210A	Medical Biochemistry and Molecular Biology	Covers the following topics from a biomedical perspective: protein and nucleic acid biochemistry, carbohydrates, lipids, amino acids, purines and pyrimidines, genome structure, molecular mechanisms of development, and signal transduction.		x	health, human health, development
Medicine	Microbiology and Molecular Genetics	Graduate	MMG 221	Immunopathogenic Mechanisms of Disease	Examination of the mechanisms underlying disease states mediated by immune dysregulation. Topics include mechanisms of immune evasion by cancer, diseases mediated by cytokine dysregulation, role of the microbiome of the GI tract and other disease sites, and adoptive T-cell therapy.		x	disease, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Medicine	Microbiology and Molecular Genetics	Graduate	MMG 215	Integrative Immunology	Lectures and student presentations of primary literature. The main goal is to achieve a basic understanding of the cellular and molecular basis of innate and adaptive immunity, and how immune function is coordinated at a systems level.		x	human health, health, disease
Medicine	Microbiology and Molecular Genetics	Graduate	MMG 210A	Medical Microbiology	Biology of microbial pathogens (viruses, bacteria, fungi, parasites) as foundation for subsequent study of infectious diseases. Topics: molecular basis of microbial pathogenesis; clinical presentation and epidemiology; diagnostic testing; antimicrobial therapy; prevention strategies. Format: lectures, laboratory, clinical cases, liveclasstech interactive questions.		x	disease, human health, health, bacteria
Medicine	Microbiology and Molecular Genetics	Graduate	MMG 206	Regulation of Gene Expression	Aspects of gene expression including the organization of the eukaryotic nucleus in terms of protein-nucleic acid interaction (i.e., chromatin and chromosome structure); the enzymology and regulation of RNA transcription and pre-mRNA processing in eukaryotes; mechanisms of RNAi and translation.		x	genetic resources, human health, genetic diversity
Medicine	Physiology and Biophysics	Graduate	PBIO 206A	Introduction to Medical Physiology	Vertebrate physiology with emphasis on humans and on the relationship between the function of normal tissues and the processes of disease. Fundamental principles of physiology and the interrelationships which control organ function.		x	disease, interdependent, human health, health
Medicine	Physiology and Biophysics	Graduate	PBIO 206B	Introduction to Medical Physiology	Vertebrate physiology with emphasis on humans and on the relationship between the function of normal tissues and the processes of disease. Fundamental principles of physiology and the interrelationships which control organ function.		x	disease, interdependent, human health, health
Medicine	School of Medicine Core	Graduate	EHS 269	Air Pollution, Climate, and Health	Emission of air pollutants into the atmosphere, physical and meteorological processes that affect transport, and influence on global warming. Concepts of how and where people are most exposed, and how exposures and health effects differ in developed and developing regions.	x		global warming, climate change, air pollution, health, human health, emissions, air quality

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Medicine	School of Medicine Core	Graduate	EHS 201	Case Studies in Environmental Toxicology	Analysis of real problems involving toxic chemicals and the human food, air, water supplies, occupational exposures, and lifestyles. Formal problems will be considered by small groups of students and discussed by the class.	x		toxic, human health, food, air, water, water supply, health, contamination, air quality, water quality, well-being, safety
Medicine	School of Medicine Core	Graduate	BATS 245A	Comparative Effectiveness Research	Provides a comprehensive overview of comparative effectiveness research (CER) with in-depth methodologic clinical practice and policy/dissemination issues related to the conduct, interpretation, and clinical applications of CER.		x	policy, human health, health, public health
Medicine	School of Medicine Core	Graduate	BATS 232	Design and Analysis of Clinical Trials	Presents history, organization and planning, rationale for methods, limits, and ethics in conducting clinical trials.		x	ethics, humane, cruelty to animals, planning, health, human health, design, safety
Medicine	School of Medicine Core	Graduate	BATS 253	Disparities in Health and Health Care	Reviews all aspects of culture that influence health status, development of public health policy, and management and practice of health care. Explores how race and ethnicity affect health and health care, including health care services and policies governing these services.		x	culture, disparities, health, public health, policy, public policy, discrimination, inequality
Medicine	School of Medicine Core	Graduate	EHS 275	Environmental Modeling and Risk Management	Surveys the general principles, basic mathematical methods, and practices of environmental modeling and human health risk assessment. Topics include advection-dispersion models, risk management, and risk perception. Students conduct an original risk assessment as a final group project.	x		environmental hazards, environment, human health, health
Medicine	School of Medicine Core	Graduate	EHS 207	Experimental Design and Interpretation of Toxicology Studies	Introduction to methods of structuring toxicology experiments and analyzing data, including experimental design, data distributions, sample sizes, hypothesis testing, linear regression, analysis of variance, multiple comparison testing, and non-parametric tests.		x	toxic, human health, disease, health
Medicine	School of Medicine Core	Graduate	BATS 255	Health Politics and Policy	Offers political and analytical insights into understanding U.S. health policymaking and developing strategies that influence health policy outcomes.		x	health, public policy, policy, governance, law and regulation, effective governance

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Medicine	School of Medicine Core	Graduate	EHS 220	Industrial Toxicology	Analysis of responsibilities toxicologists have in industry, including product safety, generating material safety, data sheets, animal testing, ecotoxicological testing, risk/hazard communication, and assisting industrial hygienists and occupational physicians; emphasis on interdisciplinary nature of industrial toxicology and communication skills.		x	cruelty to animals, toxic, human health, health, safety
Medicine	School of Medicine Core	Graduate	EHS 212	Inhalation Toxicology	The principles and practice of laboratory inhalation toxicology. Topics include aerosols, gases, respiratory tract structure and function, lung defenses, aerosol deposition exposure techniques, characterization of exposure atmospheres, experimental designs, animal models, and regulations and guidelines.		x	gas, air quality, human health, health, environmental hazards, toxic, disease, air pollution
Medicine	School of Medicine Core	Graduate	BATS 210A	Introduction to Clinical Epidemiology	Introduces principles and practice of clinical epidemiology and the population-based approach to health and disease.		x	disease, population, health, human health, environment, contamination
Medicine	School of Medicine Core	Graduate	EHS 264	Introduction to Environmental Health Science	Convergence of agents (chemical, physical, biological, or psychosocial) in environment can emerge as diseases influenced by social, political, and economic factors, allowing them to become rooted in society. How these agents from various spheres come together and impact human health.	x		environment, social, human health, public health, environmental hazards, economic, law and regulation, disease, toxic, society, hazardous chemicals, hazardous substances
Medicine	School of Medicine Core	Graduate	BATS 247	Measurement Science, Outcomes Research, and Advanced Applied Methods	Further the understanding of methodologic issues involved in the conducting of comparative effectiveness research (CER). Topics: risk adjustment, balancing observational study designs, use of outcomes from multiple data sources, innovations clinical trial designs, the conduct of meta-analysis, and psychometric methods.		x	policy, human health, health, public health, design
Medicine	School of Medicine Core	Graduate	EHS 294	Occupational Health Psychology	Introduction to psychological and social factors in the workplace that affect health and productivity. Goal is to support redesign of the workplace and social situations that can reduce stress-related illness risks, and increase humane forms of productivity and competence development.		x	social, wellness, well-being, health, disease, humane, decent work, safety, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Medicine	School of Medicine Core	Graduate	EHS 202	Principles of Environmental Toxicology	Introduction to basic principles of toxicology. Absorption, distribution, metabolism, and excretion (ADME) of xenobiotics are covered and illustrated with specific examples.	x		toxic, human health, environment, environmental hazards
Medicine	School of Medicine Core	Graduate	BATS 251	Quality Efficiency and Cost Effectiveness	Introduces the principles and practice of quality of care, patient safety, and patient experience research, along with major national and statewide policy and legislative initiatives related to quality of care and patient safety.		x	policy, safety, humane, dignity, policy, law and regulation, human health, bodily health
Medicine	School of Medicine Core	Graduate	EHS 206A	Target Organ Toxicology I	Mechanistic analysis of responses occurring in various organ systems of experimental animals and humans exposed to environmental and occupational chemicals and radiation. Review distinctive cellular and tissue structure and physiological function of the various organ systems.	x		environmental hazards, human health, health, air pollution, air quality, contamination, pollution, radiation
<b>Total Medicine</b>						<b>6</b>	<b>18</b>	
Nursing	Nursing	Graduate	NURS 266	Adult Health Care	Focuses on the restorative, peri-operative, and supportive nursing management of adults with acute or chronic alterations in oxygenation, regulation, immune response, elimination, metabolism, mobility, cognition, and substance abuse. Diagnostics, pharmacology, pathophysiology, and therapeutics will be integrated.		x	life cycle, health, human health, restoration, hazardous substances
Nursing	Nursing	Graduate	NURS 230	Advanced Health and Physical Assessment	Application of theoretical concepts related to comprehensive health assessment of patients across the lifespan. Analysis, synthesis, and application of comprehensive health assessment data.		x	wellness, well-being, life cycle, health, human health
Nursing	Nursing	Graduate	NURS 264A	Applied Pharmacology I	Principles of pharmacology applied to intervention in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education included. Physical, psychological, social, and cultural factors affecting drug administration.		x	human health, health, life cycle, toxic, unintentional poisoning, social, cultural

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Graduate	NURS 264B	Applied Pharmacology II	Principles of pharmacology applied to intervention in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education included. Physical, psychological, social, and cultural factors affecting drug administration.		x	human health, health, life cycle, toxic, unintentional poisoning, social, cultural
Nursing	Nursing	Graduate	NURS 271	Community-Based Health Care	Epidemiology, primary health care promotion, and disease prevention applied to nursing care of individuals, families, groups, and communities. Includes sociocultural, political, economic, and environmental influences. Concepts and methods of assessing populations and communities incorporated in concurrent practicum.		x	community-based research, community, strengthen families, society, environmental, social, culture, economic, health, human health, behavioral change, disease, population
Nursing	Nursing	Graduate	NURS 282	Compassionate Care with Underserved Populations	Addresses theory/research on health risk factors (e.g., psychiatric illness, sociocultural and economic characteristics) that impact patient health and well-being across the lifespan. Emphasis is on cultural awareness, lifestyle modification, community resources, and communication/coping strategies to promote well-being.		x	disease, underserved community, culture, culture of tolerance, cultural heritage, cultural diversity, community, well-being, economic, social, society, life cycle, behavioral change
Nursing	Nursing	Graduate	NURS 274	Critical and Specialty Health Care	Focuses on the restorative, supportive care of individuals with life-threatening alterations in health status utilizing technology and pharmacology for life support. The course includes pathophysiology, diagnostics, monitoring, pharmacology, therapeutics, and evidence-based management interventions will be integrated.		x	preventable death, health, human health, collaborative, safety, restorative
Nursing	Nursing	Graduate	NURS 248	Curricular Design for the Health Professions	Introduces students to the theoretical foundations, essential components, and accreditation standards for curriculum development at the program level. Outcome competencies are addressed as they apply to the development and evaluation of an educational program to meet society's diverse healthcare needs.		x	society, diversity, health, development, human health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Graduate	NURS 238	Foundations of Health Systems and Health Economics	Foundational understanding of how healthcare is financed in the U.S. Explores economic theories and policies, various types of healthcare organizations, and healthcare delivery systems. Healthcare finance is discussed at national and practice levels.		x	economic, health, human health, universal health care
Nursing	Nursing	Graduate	NURS 262	Foundations of Professional Nursing Practice	Focuses on the development of skills in therapeutic communication, interviewing, functional assessment across the lifespan, the art and science of human care, and clinical judgment. Faculty-facilitated, participatory peer group, and self-learning laboratory activities are included.		x	human health, health, life cycle
Nursing	Nursing	Graduate	NURS 227B	Grant Writing II	Provides a continuation of skill building in preparing a grant proposal, with emphasis on developing the educational training plan, budget and budget justification, the IRB and ethics component, and letters of support for a career-development grant.		x	ethics, health, human health, disease, humane, cruelty to animals
Nursing	Nursing	Graduate	NURS 234	Health Politics and Policy	Participants analyze, apply, and evaluate current health policy-related literature, engage in the process of health policy development within professional, regulatory, or administrative environments, and develop an evidence-based health policy proposal across the spectrum of health care systems.		x	health, human health, policy, public policy, law and regulation
Nursing	Nursing	Graduate	NURS 215	Health Promotion/Disease Prevention	Covers the evidence-based national clinical preventive services guidelines for health promotion and disease prevention. Emphasizes counseling about personal health behaviors, screening tests for the early detection of risk factors and disease, immunizations and chemoprophylaxis.		x	genetic diversity, disease, health, human health, wellness, behavioral change
Nursing	Nursing	Graduate	NURS 267	Human Behavior and Mental Health Nursing	Focuses on nursing management of individuals across the lifespan with alterations in mental health. Mental health promotion and crisis intervention, chemical dependency, acute and chronic care for psychiatric conditions, rehabilitation, and recovery will be addressed.		x	human health, health, well-being, life cycle, disease

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Graduate	NURS 276	Leadership and Management in Health Care	Explores the professional nurse as leader and manager of a health care team. Principles and theories related to organizations, leadership, decision-making, and group process are applied to the delivery of health care at the individual and population levels.		x	safety, health, human health, representative decision-making, collaborative, cooperation
Nursing	Nursing	Graduate	NURS 232	Leadership and Professional Collaboration in Healthcare	Explore and debate the relationship between various leadership and collaboration models, theories health care practice, and outcomes. Prepares DNP graduates to assume leadership roles across the healthcare spectrum.		x	collaborative, health, human health, representative decision-making, responsive decision-making
Nursing	Nursing	Graduate	NURS 213	Measurement of Health-Related Behavior	Provides a comprehensive understanding of psychometric principles, analyses, and emerging concepts like Intensive Longitudinal Methods to measure behavior in natural contexts using newer technologies (e.g., smartphones, wearable sensors, and Internet of Things). Students from different disciplines are encouraged.		x	health, human health, behavioral change, natural
Nursing	Nursing	Graduate	NURS 265	Older Adult Health Care	Analyzes the interaction of physical, pathophysiological, psychological, social, cultural, and health care policy factors influencing the health and health care of older adults. Topics include health risk factors, health assessment, acute illness and chronic conditions, and ethical issues.		x	social, culture, policy, public policy, health, human health, disease, ethics, humane
Nursing	Nursing	Graduate	NURS 268A	Pathophysiology I	Focuses on pathologic alterations in physiologic processes in cells, tissues, organs, and systems across the life span. Content includes disease processes, linkage of relevant physiology to disease states, and factors that influence epidemiology and pathophysiology.		x	disease, human health, health, life cycle
Nursing	Nursing	Graduate	NURS 268B	Pathophysiology II	Focuses on pathologic alterations in physiologic processes in cells, tissues, organs, and systems across the life span. Content includes disease processes, linkage of relevant physiology to disease states, and factors that influence epidemiology and pathophysiology.		x	disease, human health, health, life cycle

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Graduate	NURS 272	Pediatrics: Care of Children and Families	Provides didactic and clinical experiences in nursing management of infants, children, and adolescents with acute, chronic, and/or life-threatening conditions. Incorporates concepts of family-centered care, teamwork and collaboration, patient safety, quality improvement and informatics, utilizing an evidence-based practice approach.		x	collaborative, family planning, health, human health, safety, wellness
Nursing	Nursing	Graduate	NURS 245	Primary Care Adult/Gerontology Acute Common Conditions	Assessment and management of acute or episodic problems affecting patients and families across the lifespan. Diagnostics, pharmacology, pathophysiology, and therapeutics are integrated. Concepts of quality health care, resource management, and shared-decision making are emphasized.		x	disease, human health, health, life cycle, well-being, wellness, responsive decision-making
Nursing	Nursing	Graduate	NURS 260A	Primary Care Adult/Gerontology Chronic Conditions	Assessment and management of acute or episodic problems affecting adult and geriatric patients and their families. Diagnostics, pharmacology, pathophysiology, and therapeutic are integrated.		x	life cycle, health, well-being, disease, wellness, human health
Nursing	Nursing	Graduate	NURS 255	Primary Care Obstetrics	Assessment and management of women during pregnancy. Diagnostics, pharmacology, pathophysiology and therapeutics are integrated. Includes assessment, differential diagnosis, management, patient/family education, and counseling related to normal pregnancy care.		x	gender-sensitive, gender equality, family planning, reproductive health, planning, disease, life cycle, reproductive rights, maternal mortality, human health, health, origins of life
Nursing	Nursing	Graduate	NURS 250	Primary Care Women's Health	Primary health care needs of women including adolescent, adult, and aging adults. Emphasizes assessment, diagnosis, prevention, management, and education of common gynecologic and family planning health care needs.		x	gender-sensitive, gender equality, family planning, reproductive health, planning, disease, life cycle, reproductive rights, maternal mortality, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Nursing	Nursing	Graduate	NURS 281	Professional Issues in Nursing	Provides an orientation to the scope and standards of professional nursing practice for master's students. The social, political, and economic environments affecting health care delivery systems and the ethics of professional nursing practice are analyzed.		x	social, economic, environment, health, human health, ethics, humane, wellness
Nursing	Nursing	Graduate	NURS 246	Qualitative Research Designs in Nursing Science	Seminar in qualitative research philosophies, methods, and analysis in nursing science clinical research. Consideration of population access and sampling, ethics, data management, analytical approaches, and translational potential.		x	population, ethics, design, community-based research
Nursing	Nursing	Graduate	NURS 224	Research Designs in Nursing Science	Provides an introduction to qualitative and quantitative research designs, methods, and analyses in nursing science. Evaluation of measurement and population issues, data management, ethics, analytical approaches, mixed methods work, and translational potential in the context of research.		x	population, ethics, health, human health
Nursing	Nursing	Graduate	NURS 249	Transformational Leadership in Education for the Health Professions	Students are introduced to the role of the nurse educator as change agent, leader, and scholar and are provided experience in planning learner-centered learning activities that are engaging and effective in achieving desired student performance.		x	health, education, social change, representative decision-making, behavioral change
<b>Total Nursing</b>						<b>0</b>	<b>29</b>	
Pharmaceutical Sciences	Pharmaceutical Sciences	Graduate	PHMS 279	Emerging Technologies in Pharmaceutical Sciences and Medicine	Introduces emerging, ground-breaking technologies in pharmaceutical sciences and medicine, including pharmacogenomics, genome editing, and stem cell and engineered T cell therapies. Explores these novel technologies with both their underlying theories and forward-thinking applications.		x	regeneration, regenerative capacity, ethics, health, human health, disease
Pharmaceutical Sciences	Pharmaceutical Sciences	Graduate	PHMS 277	Medicinal Chemistry	Fundamentals of medicinal chemistry covering diverse aspects of drug design, discovery, synthesis, and development. Molecular basis of drug action with an emphasis on the structure-to-function continuum.		x	disease, wellness, health, human health, design, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Pharmaceutical Sciences	Pharmaceutical Sciences	Graduate	PHMS 263	Pharmacogenomics and Epigenetics	Survey of the genetic and epigenetic basis of inter-subject variability in response to drugs. Covers drug efficacy, safety, and the need for their optimization in pharmacotherapy. Emphasizes genetic mechanisms of polymorphisms in the pharmacokinetics and pharmacodynamics of representative therapeutic drugs.		x	hazardous substances, safety, health, human health, genetic diversity
<b>Total Pharmaceutical Sciences</b>						<b>0</b>	<b>3</b>	
Physical Sciences	Chemistry	Graduate	CHEM 213	Chemical Kinetics	Surveys gas phase and organic reaction mechanisms and their relationship to kinetic rate laws; treats the basic theory of elementary reaction rates. A brief presentation of modern cross-sectional kinetics is included.		x	implications for: atmosphere, pollution, ultraviolet radiation, solar, human health, health, environment, earth system
Physical Sciences	Chemistry	Graduate	CHEM 241	Current Issues Related to Air Quality, Climate, and Energy	Current issues related to the atmosphere, climate, and air quality in the context of energy conversion and sustainability. Topics include transportation systems; building design; impacts on humans and ecosystems; modeling and meteorology; economics; and application to public policies.	x		air quality, pollution, sustainability, conservation, transportation, public policy, health, human health, environment
Physical Sciences	Chemistry	Graduate	CHEM 248	Electrochemistry	Fundamentals of electrochemistry including thermodynamics and the electrochemical potential, charge transfer kinetics, and mass transfer. Methods based on controlled potential and controlled current are described; the effects of slow heterogeneous kinetics and the perturbation caused by homogeneous chemistry are discussed. Electrochemistry explains the science and engineering of all fuel cells, electrolyzers, batteries, solar fuels devices, etc.		x	fuel cells, alternative energy, manufacturing, electric, fuel, catalysis, solar, solar fuel, renewable energy
Physical Sciences	Chemistry	Graduate	CHEM 245A	Gas-Phase Atmospheric Chemistry	Sources, chemistry, sinks, and measurements of key atmospheric gaseous species. Chemistry of photochemical oxidant formation, transformation of key inorganic and organic trace gases, and stratospheric ozone cycling. Applications of atmospheric chemistry models to control strategies.	x		greenhouse gases, pollution, troposphere, atmosphere, ozone layer, gas, air quality, air pollution, air, ultraviolet radiation, solar

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Chemistry	Graduate	CHEM 263	Materials Chemistry	An introduction to crystalline solids, descriptive crystal chemistry, solid-state synthesis and characterization techniques, x-ray and electron diffraction, phase diagrams, electronic band structure of extended solids, semi-conductors, and nanoscale inorganic materials. The course introduces the basic concepts and fundamental aspects of modern materials and solid state chemistry. A majority of the material systems covered in the course are at the core of relevant energy harnessing, storage, and conversion technologies hence a significant portion of the lectures were dedicated to relate such concepts.		x	energy, alternative energy, power, energy efficiency,
Physical Sciences	Chemistry	Graduate	CHEM 218	Metallobiochemistry	A review of the biochemistry of metallic elements emphasizing: methods for studying metals in biological systems; the chemical basis for nature's exploitation of specific elements; structures of active sites; mechanisms; solid-state structures and devices; metals in medicine.		x	nature, marine resources, human health, design
Physical Sciences	Chemistry	Graduate	CHEM 233	Nuclear and Radiochemistry	Advanced treatment of nuclear structure, nuclear reactions, and radioactive-decay processes. Introduction to nuclear activation analysis, isotope effects, radiation chemistry, hot-atom chemistry, nuclear age-dating methods, nuclear reactors, and nuclear power. The students learn about nuclear energy as energy source with a negligible greenhouse gas footprint and the nuclear fuel cycle from uranium mining to nuclear waste management is covered in this class. One guest lecture on "Zero-Carbon Power."		x	nuclear power, clean energy, carbon footprint, carbon neutrality, waste management, radioactive, reactor, greenhouse gas
Physical Sciences	Chemistry	Graduate	CHEM 204	Organic Synthesis I	Fundamentals of modern synthetic organic chemistry is developed. Major emphasis is on carbon-carbon bond forming methodology. Topics include carbonyl annulations, cycloadditions, sigmatropic rearrangements, and organometallic methods.		x	implications for: human health, affordable medicines, safety, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Chemistry	Graduate	CHEM 205	Organic Synthesis II	Fundamentals of modern synthetic organic chemistry will be developed. Major emphasis this quarter is on natural product total synthesis and retrosynthetic (antithetic) analysis.		x	implications for: human health, affordable medicines, safety, health
Physical Sciences	Chemistry	Graduate	CHEM 267	Photochemistry	Photochemical and photovoltaic processes in molecules and semiconductors; quantum mechanics; statistical thermodynamics; kinetics; and experimental techniques relevant to photon absorption and emission; photochemical charge separation, recombination, and transport of electrons and ions; and interfacial redox chemistry. Photochemistry explains the science and engineering of all solar cells, solar fuels devices, and sunlight-driven processes.		x	photovoltaic, energy, electric, fuel, solar, solar energy, ultraviolet radiation, fuel cell, alternative energy, renewable energy
Physical Sciences	Chemistry	Graduate	CHEM 246	Separations and Chromatography	Introduction to modern separation techniques such as gas chromatography, high-performance liquid chromatography, supercritical fluid chromatography, capillary electrophoresis, and field flow fractionation. Applications of these separation strategies are discussed. Lectures include CFCs, discovery of the ozone hole, and climate change.		x	chlorofluorocarbons, ozone layer, climate change, gas, atmosphere, greenhouse gas
Physical Sciences	Earth System Science	Graduate	ESS 212	Geoscience Modeling and Data Analysis	Computer-based course. Fundamental statistical techniques needed to analyze Earth system data and models. Basic numerical techniques to solve Earth system models. Focuses on linear and non-linear ordinary differential equations, as well as simple partial differential equations.		x	earth system, climate-related, earth, global
Physical Sciences	Earth System Science	Graduate	ESS 266	Global Biogeochemical Cycles	Global biogeochemical cycling of the elements. Topics include global cycling of carbon, nitrogen, oxygen, and sulfur; impact of human activities on biogeochemical processes.	x		carbon cycle, nature, environment, climate change, adapt, global, global consequences, earth system, earth, natural systems, human communities

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Earth System Science	Graduate	ESS 200	Global Physical Climatology	A descriptive overview of Earth's climate system and energy budget. Large-scale circulations, key physical processes, and climate sensitivity of the atmosphere, ocean, land surface, and cryosphere.		x	earth system, earth, climate-related, climate change, energy, atmosphere, ocean, ice, sea ice, melt, hydrologic cycle, climate, global
Physical Sciences	Earth System Science	Graduate	ESS 204	Humans in the Earth System	Focuses on the human systems of energy and food production which have the greatest effects on the Earth system. Assess the physical mechanisms and feedbacks of human-nature interactions and consider approaches of mitigation, interventions, and adaptation.	x		food, energy, food security, agriculture, farm, interdependent, nature, mitigation, adapt, earth system, human communities
Physical Sciences	Earth System Science	Graduate	ESS 248	Marine Ecosystems and Global Change	Presents an overview of marine ecosystem structure, diversity, and processes in the context of global change, including the impacts of climate warming, ocean acidification, marine fisheries, and anthropogenic additions of nutrients and pollutants.	x		earth, earth system, ocean, global warming, climate, ocean acidification, marine acidity, marine life, marine resources, pollutants, biodiversity
Physical Sciences	Earth System Science	Graduate	ESS 256	Paleoclimatology and Paleoceanography	Explores past changes in Earth's climate. Topics include tools and techniques used to reconstruct past climate from natural archives; records and mechanisms of past climate changes throughout Earth history; and lessons learned from the paleo-record for prediction of future climate.	x		earth, earth system, climate, ocean, climate change, future generations, climate-related, natural
Physical Sciences	Earth System Science	Graduate	ESS 238	Satellite Remote Sensing for Earth System Science	Satellite remote sensing data are increasingly used to study the Earth system. Provides an overview of the principles behind remote sensing, and the types of satellite data available for study of the oceans, land, and atmosphere.	x		earth system, climate-related, earth, global, atmosphere, ocean, marine resources earth, earth system, environment, ecosystem
Physical Sciences	Mathematics	Graduate	MATH 227A	Mathematical and Computational Biology	Analytical and numerical methods for dynamical systems, temporal-spatial dynamics, steady state, stability, stochasticity. Application to life sciences: genetics, tissue growth and patterning, cancers, ion channels gating, signaling networks, morphogen gradients. Analytical methods.		x	human health, health, living beings, genetic resources, regenerative capacity, disease

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Physical Sciences	Mathematics	Graduate	MATH 227B	Mathematical and Computational Biology	Analytical and numerical methods for dynamical systems, temporal-spatial dynamics, steady state, stability, stochasticity. Application to life sciences: genetics, tissue growth and patterning, cancers, ion channels gating, signaling networks, morphogen gradients. Numerical simulations.		x	human health, health, living beings, genetic resources, regenerative capacity, disease
Physical Sciences	Mathematics	Graduate	MATH 227C	Mathematical and Computational Biology	Analytical and numerical methods for dynamical systems, temporal-spatial dynamics, steady state, stability, stochasticity. Application to life sciences: genetics, tissue growth and patterning, cancers, ion channels gating, signaling networks, morphogen gradients. Probabilistic methods.		x	human health, health, living beings, genetic resources, regenerative capacity, disease
Physical Sciences	Physics and Astronomy	Graduate	PHYS 240B	Cosmology	An introduction to modern cosmology set within the context of general relativity. Topics include the expansion history of the Universe, inflation, the cosmic microwave background, density fluctuations, structure formation, dark matter, dark energy, and gravitational lensing.		x	energy, origins of life
Physical Sciences	Physics and Astronomy	Graduate	PHYS 241A	Solar System and Extrasolar Planets	Formation, evolution, and habitability of planetary systems. Observational and theoretical study of the origin and evolution of the Solar System, present day dynamical state of the Solar System (asteroids, Kuiper Belt Objects, Oort cloud), planetary atmospheres, processes governing planetary climate.		x	energy, origins of life, habitat
Physical Sciences	Physics and Astronomy	Graduate	PHYS 214A	Statistical Physics	Maxwell-Boltzmann, Bose-Einstein, Fermi-Dirac statistics; ideal and imperfect gases; thermodynamic properties of solids; transport theory.		x	energy, atmosphere, nature, earth, air, heat
<b>Total Physical Sciences</b>						<b>7</b>	<b>17</b>	
Public Health	Environmental and Occupational Health	Graduate	PUBH 272	Occupational Health Psychology	Introduction to psychological and social factors in the workplace that affect health and productivity. Goal is to support redesign of the workplace and social situations that can reduce stress-related illness risks, and increase humane forms of productivity and competence development.		x	social, wellness, well-being, health, disease, humane, decent work, safety, development

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Environmental and Occupational Health	Graduate	EHS 203	Psychosocial Occupational Epidemiology	Importance of psychosocial work environment for workers' health and productivity has increased with changing technology, work organization, demographics, and occupation/industry structures. This advanced occupational epidemiology course focuses on psychosocial work environment as exposures, and workers' health and productivity as outcomes.		x	social, wellness, well-being, health, disease, environment, safety
Public Health	Environmental and Occupational Health	Graduate	EHS 206B	Target Organ Toxicology II	Mechanistic analysis of responses occurring in various organ systems of experimental animals and humans exposed to environmental and occupational chemicals and radiation. Review of distinctive cellular and tissue structure and physiological function of the various organ systems. The course deals with the health effects of environmental pollutants and mechanisms by which these effects are caused.	x		environmental hazards, human health, health, air pollution, air quality, contamination, pollution, radiation
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 206C	Advanced Epidemiologic Methods	Advanced topics in the design and statistical analysis of epidemiologic studies. Topics include simulation methods, counter-matching and multiphase study designs, missing data, and Bayesian analysis. Published simulation studies are discussed and replicated using the R software package.		x	disease, human health, health, public health
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 286	Advanced Geographic Information Systems and Spatial Epidemiology	Students expand their current knowledge of the ArcGIS software to develop advanced geographic-related research questions, learn how to apply spatial epidemiologic methods to public health data, and integrate their skills in a GIS project of their design.		x	geography, public health, human health
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 204B	Biostatistics II: Intermediate Statistical Methods	Intended for graduate students in epidemiology, public health, and clinical research fields. Covers common regression-modeling techniques frequently used in biologic and medical applications.		x	public health, disease, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 204C	Biostatistics III: Advanced Statistical Methods	Intended for graduate students in epidemiology, public health, and related fields. Introduces statistical methods for analyzing survival and longitudinal/clustered data, and techniques to resolve missing data.		x	public health, disease, human health, health
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 213	Epidemiology in Global Health	Examines major topics in epidemiology and global health. Research topics within these two disciplines are focused on resource-poor communities, with an application to the global world.	x		communities, vulnerable communities, underserved communities, global, global health risks, disease, resources, resource-use efficiency
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 281	Infectious Disease Epidemiology	Geographical distribution of infectious diseases and the health and disease risk in diverse human populations. Introduces basic methods for infectious disease epidemiology and case studies of important diseases. Includes surveillance, outbreak investigation, emerging pathogens, traditional and molecular epidemiology.		x	disease, health, diverse, population, global, geography, global health risks
Public Health	Epidemiology and Biostatistics	Graduate	EPI 212	Methods for Design and Implementation of Epidemiologic Research	Intended for students in epidemiology, public health, and related fields, and covers topics in subject recruitment, data collection, quality assessment and control, and sample-size estimation.		x	public health, disease, human health, health
Public Health	Epidemiology and Biostatistics	Graduate	PUBH 206A	Principles of Epidemiology	Fundamental principles of epidemiology, biostatistics, and epidemiological research. Topics include research methods of measuring health problems in populations, disease control and prevention in populations, how epidemiology contributes to knowledge of disease etiology, and biostatistical analysis and interpretation of epidemiologic data.		x	disease, population, public health
Public Health	Health, Society, and Behavior	Graduate	PUBH 244	Health Behavior Theory	Introduces the field of Health Behavior and segues into major theoretical perspectives. Focus on health behavior change from the vantage point of individual health behavior and theoretical abstraction. Explores how to relate theory to behavior-change intervention programs.		x	behavioral change, health, human health, well-being, wellness

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Health, Society, and Behavior	Graduate	PUBH 245	Health Promotion Planning	Introduces strategic planning integral to intervention planning in public health practice and research, emphasizing the fundamental domains of social and behavioral health science and practices. Students develop an intervention plan for a specific health problem, health behavior, and target population.		x	health, behavioral change, population, public health, human health, social
Public Health	Health, Society, and Behavior	Graduate	PUBH 242	Theories of Health Communication	Explores the concepts, constructs, and theories of communication in health and risk contexts. Examines interpersonal, family, organizational, and mediated communicative processes about health care and conditions from a global perspective.		x	global, health, human health, global health risks, social
Public Health	Population Health and Disease Prevention	Graduate	PUBH 280	Global Burden of Disease	Introduces composite measures of disease burden, including Disability Adjusted Life Years and their use in prioritizing disease burden at local, regional, and global levels. Focuses on WHO's landmark assessments and introduces DISMOD software for specific analyses. Uses sustainable development goals and global health indicators.	x		disease, communicable diseases, global, international, global consequences, sustainable, development, strengthen local communities
Public Health	Population Health and Disease Prevention	Graduate	PUBH 222	Health Policy and Management	Multidisciplinary inquiry into theory and practice concerned with delivery, quantity, costs of health care for individuals and populations. Explores managerial and policy concerns regarding structure, process, outcomes of health services including the costs, financing, organization, outcomes, and accessibility of care.		x	health, universal health care, equal access, policy, population
Public Health	Program in Public Health Core	Graduate	PUBH 292	Ethics and Responsible Conduct of Research in Public Health	Issues of scientific integrity and satisfies the requirements for training in public health ethics. Includes guidelines for responsible conduct of research, federal and international codes, administrative review and approval, conflict of interest, and privacy and safety of research participants.		x	public health, ethics, law and regulation, safety, international, global, humane, human health, health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Program in Public Health Core	Graduate	PUBH 200	Foundations of Public Health	Presents the overarching framework, principles, and core responsibilities of public health research and practice from a multidisciplinary perspective. Provides necessary foundation for further studies toward advanced cross-cutting approaches essential for public health practice.		x	public health, human health, health
Public Health	Program in Public Health Core	Graduate	PUBH 248	Fundamentals of Maternal and Child Health - Programs, Problems, and Policy	Overview of issues facing women, children, and families from a public health perspective. Discusses role of socio-economic, political, biological, environmental factors on population health. Studies historical foundations and current factors impacting Maternal Child Health programs and legislation in the US.		x	public health, gender inequalities, gender disparities, gender-sensitive, social, economic, maternal mortality, reproductive health, family planning, law and regulation, policy, population, environmental, environmental hazards
Public Health	Program in Public Health Core	Graduate	PUBH 283	Geographic Information Systems for Public Health	Provides a broad introduction to the use of Geographic Information Systems software to carry out projects for visualizing and analyzing spatial data to address significant issues of health care and policy-planning.	x		geography, health, policy, public health, public policy, human health
Public Health	Program in Public Health Core	Graduate	PUBH 278	Industrial Toxicology	Analysis of responsibilities toxicologists have in industry, including product safety, generating material safety, data sheets, animal testing, ecotoxicological testing, risk/hazard communication, and assisting industrial hygienists and occupational physicians; emphasis on interdisciplinary nature of industrial toxicology and communication skills.		x	cruelty to animals, toxic, human health, health, safety
Public Health	Program in Public Health Core	Graduate	PUBH 209	Methods of Demographic Analysis	Introduces basic demographic methods used in social science and public health research. Topics include sources and limitations of demographic data; components of population growth; measures of nuptiality, fertility, mortality, and population mobility projection methods; and demographic models.		x	social, population, population growth, public health, mortality rate, reproductive health, population

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Public Health	Program in Public Health Core	Graduate	PUBH 247	Program Evaluation	Introduces methods, tools, and procedures for systematic investigation of the effectiveness of programs in health and social services for disease intervention, prevention, and health promotion. Includes development of program evaluation plans, logic models, contextual frameworks, study designs, and data analyses.		x	social, disease, development, behavioral change, human health, health, design
Public Health	Program in Public Health Core	Graduate	PUBH 287	Qualitative Research Methods in Public Health	General introduction to qualitative research methods for investigating public health questions at various scales from community level to global populations. Emphasizes systematic approaches to the collection, analysis, interpretation of qualitative data.		x	public health, global, population, health, community
Public Health	Program in Public Health Core	Graduate	PUBH 277A	Target Organ Toxicology I	Mechanistic analysis of responses occurring in various organ systems of experimental animals and humans exposed to environmental and occupational chemicals and radiation. Review distinctive cellular and tissue structure and physiological function of the various organ systems.	x		environmental hazards, human health, health, air pollution, air quality, contamination, pollution, radiation
Public Health	Program in Public Health Core	Graduate	PUBH 277B	Target Organ Toxicology II	Mechanistic analysis of responses occurring in various organ systems of experimental animals and humans exposed to environmental and occupational chemicals and radiation. Review of distinctive cellular and tissue structure and physiological function of the various organ systems. The course deals with the health effects of environmental pollutants and mechanisms by which these effects are caused.	x		environmental hazards, human health, health, air pollution, air quality, contamination, pollution, radiation
<b>Total Public Health</b>						<b>6</b>	<b>20</b>	
Social Ecology	Criminology, Law and Society	Graduate	CLS C215	Applied Statistics	Provides a basis for the use of fundamental statistical analysis techniques for solving public policy and management problems through a series of assignments, examinations, and online discussions and demonstrations.		x	law and regulation, public policy
Social Ecology	Criminology, Law and Society	Graduate	CLS C213	Crime and Social Deviance	Examines the major social scientific perspectives on criminal and deviant behavior. Specific deviant and criminal activities are described and explained using established theoretical frameworks.		x	social, safety, organized crime

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Criminology, Law and Society	Graduate	CLS C229	Criminology: Macro Approaches	Introduces students to the dominant theories in modern criminology, their theoretical antecedents and extensions, major empirical tests and implications for programs, policy and practices, and addresses macro-level theories of crime causation. Formerly Criminology, Law and Society C233B.		x	organized crime, policy, public policy, violence, social systems, justice
Social Ecology	Criminology, Law and Society	Graduate	CLS C228	Criminology: Micro Approaches	Introduces students to the dominant theories in modern criminology, their theoretical antecedents and extensions, major empirical tests and implications for programs, policy and practice, and focuses on micro-level, individual theories of crime causation. Formerly Criminology, Law and Society C233A.		x	organized crime, policy, public policy, violence, social systems, justice
Social Ecology	Criminology, Law and Society	Graduate	CLS C222	Ethnography	Explores the theory and practice of ethnography with a focus on anthropology, the discipline most associated with ethnography. Students are exposed to the theoretical underpinnings of ethnographic work, traditional and innovative practices, and sample ethnographies.		x	society, culture, cultural diversity, diversity, minorities
Social Ecology	Criminology, Law and Society	Graduate	CLS C219	Hate Crime	Examines the causes, manifestations, and consequences of hate crimes, as well as the larger social context within which they occur, are reacted to, and seem to be proliferating.		x	discrimination, minorities, social, society
Social Ecology	Criminology, Law and Society	Graduate	CLS C239A	Law and Society I	Provides an introduction to the law and society field from its origins in social scientific, legal, and philosophical scholarship during the eighteenth, nineteenth, and early-twentieth centuries. Formerly Criminology, Law, and Society C239.		x	society, social, law and regulation, public policy, social change
Social Ecology	Criminology, Law and Society	Graduate	CLS C239B	Law and Society II	Building on Law and Society I, addresses contemporary issues in the field from mid-twentieth century to the present with emphasis on the degree to which the field's foundational assumptions are being challenged, refined, or confirmed through current research.		x	society, social, law and regulation, public policy, social change

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Criminology, Law and Society	Graduate	CLS C217	Leadership	Introduces concepts, ideas, and theories about leadership and its operation. Explores leadership concepts through interviews with leaders from the community and fellow classmates.		x	community, representative decision-making
Social Ecology	Criminology, Law and Society	Graduate	CLS C212	Police, Courts, and Corrections	Focuses on basic policy issues in the administration of the criminal justice system. The key elements of the criminal justice system are police, courts, and corrections. Prepares students for continued study of these organizations.		x	justice, public policy, policy, law and regulation, safety, violence
Social Ecology	Criminology, Law and Society	Graduate	CLS C216	Public Policy, Crime, and Criminal Justice	Increases understanding of crime, violence, and the criminal justice system. Assesses the state of knowledge on key policy issues of our time. Discusses the contribution of communities, schools, employment, drugs, guns, and alcohol to crime and violence.		x	violence, public policy, policy, communities, education, hazardous substances, substance abuse, organized crime, unemployment, illicit arms, violent
Social Ecology	Criminology, Law and Society	Graduate	CLS C221	Sentencing and Corrections	Reviews U.S. attempts to punish and rehabilitate convicted law violators. Conflicts among major purposes of sentencing (rehabilitation, deterrence, incapacitation, and retribution) are discussed, as well as effects of different sanctions on public safety, offender rehabilitation, and justice system costs.		x	justice, safety, discrimination, law and regulation, social cost, social systems
Social Ecology	Criminology, Law and Society	Graduate	CLS C218	Social Problems, Law, and Policy	Capstone course for M.A.S. program in Criminology, Law and Society. Students choose a social problem related to crime, criminal justice, and law; relate the problem to legal and social issues; and devise a plan of action to research the problem.		x	justice, social, law and regulation, public policy
Social Ecology	Criminology, Law and Society	Graduate	CLS C238	White-Collar Crime	Examines the illegal behavior of individuals who commit crimes in the course of their employment. Special attention will be paid to ways in which power and organizational structure affect the behavior of the white-collar offenders.		x	illicit financial, power, decent work, behavioral change, justice

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Psychological Science	Graduate	PSCI P285	Anger: A Turbulent Emotion	Provides an enriched perspective on anger beginning with its understanding in classical antiquity. Topics include developmental processes and trauma, anger physiology and neuroscience, anger-related physical health impairments, and the involvement of anger in psychopathology and violence.		x	development, violence, violent conflict, disability-sensitive, health, wellness, persons with disabilities
Social Ecology	Psychological Science	Graduate	PSCI P209A	Applied Psychological Research	Focuses on scientific and professional issues in the field of psychology. Topics include communication skills; intervention approaches; collaboration, consultation, and referral; and ethical issues associated with at-risk populations research.		x	ethics, humane, moral and spiritual education, collaborative
Social Ecology	Psychological Science	Graduate	PSCI P238	Child Psychopathology	Examination of etiology, classification, and developmental pathways of disorders, as well as risk and resilience factors, during the childhood/adolescent years. Discussion of genetic influences and contextual risk factors as well as internalizing and externalizing disorders.		x	resilience, disease, development, well-being, future generations, health, human health
Social Ecology	Psychological Science	Graduate	PSCI P224	Children and the Law	Examines how psychology research and practice can inform several areas of law and social policy affecting children, adolescents, and families. Topics include education, mental health, reproductive rights, and delinquency.		x	social, policy, education, reproductive rights, rights, human rights, justice, law and regulation, strengthen families, health, well-being
Social Ecology	Psychological Science	Graduate	PSCI P223	Cross-Cultural Developmental Psychology	Examines human development in diverse cultures (e.g., Asian, American, and African). Cultural diversity within the U.S. and acculturation of various ethnic groups is also discussed. Topics include parenting, family relations, language, and cognition, schooling and academic achievement, and morality.		x	international, global, culture, cultural diversity, diversity, moral and spiritual education, cultural heritage, development, minorities
Social Ecology	Psychological Science	Graduate	PSCI P256	Family and the Law	Examines sociological and legal perspectives on the relationship between family life and law, with a focus on three distinct but sometimes interconnected domains: the child welfare system, the criminal justice system, and the immigration system.		x	society, law and regulation, social systems, justice, migration, migrants, strengthen families

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Psychological Science	Graduate	PSCI P222	Forensic Assessment	Explores the various ways in which clinical psychology is relevant to the law, and how forensic psychologists can meaningfully contribute to the adjudicatory process. Examines legal, scientific, and ethical issues that arise when psychologists are involved in legal proceedings.		x	civil society, justice, law and regulation, ethical, moral and spiritual education
Social Ecology	Psychological Science	Graduate	PSCI P219	Forensic Neuropsychology	Introduces key concepts in clinical neuropsychology as applied in legal/forensic settings. Instruction focuses on neuropsychological concepts underlying brain-behavior relationships and their assessment in forensic case examples; and ethical/legal issues in brain injuries/diseases impacting higher mental functions (e.g., memory).		x	disease, ethical, moral and spiritual education, health, human health, well-being, wellness, law and regulation
Social Ecology	Psychological Science	Graduate	PSCI P288	Human Neuropsychology	Focuses on clinical, neuroanatomical, and neuropathological studies that have contributed to our understanding of brain-behavior relationships in the context of normal brain function and disease-associated neuropsychiatric syndromes.		x	disease, well-being, wellness, human health, health, behavioral change
Social Ecology	Psychological Science	Graduate	PSCI P280A	Interdisciplinary Salivary Bioscience	Theory and research on the integration of salivary analytes into developmental, social, behavioral, and health sciences. Topics include oral fluid as biological specimens; practical aspects of sample handling, collection, and study design; basics of laboratory methods used for assaying saliva.		x	development, social, health, human health
Social Ecology	Psychological Science	Graduate	UPPP 207	Land-Use Law	Investigates legal and institutional frameworks for development control. Review of constitutional issues implicated in land-use regulation. Traces development control historically and analyzes contemporary approaches to land-use control which reflect environmental and economic development concerns.	x		law and regulation, land use, environmental, economic, environment, development
Social Ecology	Psychological Science	Graduate	PSCI P254	Mental Health and the Law	Explores the history of criminalization of persons with mental illness. Topics include challenges and needs of persons with mental illness; civil and outpatient commitment; law enforcement responses to persons with mental illness; and mentally ill offenders in jails and prisons.		x	well-being, disease, justice, law and regulation

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Social Ecology	Psychological Science	Graduate	PSCI P215	Psychology and Law	An interdisciplinary approach to research in psychology, law, and/or criminology. Examines how psychology is applied to the civil and criminal justice systems, how case law shapes this application, and how legal decisions affect the direction of psychological research.		x	civil society, justice, law and regulation
Social Ecology	Psychological Science	Graduate	PSCI P208	Research Methods	In-depth examination of issues relevant to designing and evaluating research in psychological science. Topics address casual inference, ethical issues surrounding the responsible conduct of research, experimental and quasi-experimental designs, reliability and validity of measurement, and non-experimental procedures.		x	ethics, humane, moral and spiritual education
Social Ecology	Psychological Science	Graduate	PSCI P260	Technology and Health	Explores the growing intersection of health and technology, including electronic Health (eHealth), mobile health (mHealth), and digital health and medicine. Specifically, it focuses on the implications and uses of technologies for behavioral and emotional health, and behavioral change.		x	behavioral change, health, public health, human health
Social Ecology	Psychological Science	Graduate	PSCI P255	Violence, Anger, and Psychopathology	Overviews the prevalence of violence as a criminal and public health problem. Topics include violence within families and intimate partner relationships, traumatic origins of violence, the development of a violence-prone personality, the association of anger and violence with psychopathology.		x	public health, violence, violent conflict, justice, development, society, strengthen families
Social Ecology	Social Ecology Core	Graduate	SE 266D	Analysis of Survival Data	Provides an introduction to survival analysis methods for the analysis of change in discrete dependent variables. Focuses on data collection strategies for obtaining longitudinal data and continuous-time hazards models. Communicates the variety and power of multivariate hazard models.		x	emergency preparedness, disaster, environmental hazards
Social Ecology	Social Ecology Core	Graduate	SE 200	Seminar in Social Ecology	Students are introduced to the classic and contemporary literature of human and social ecology and are expected to use the ecological paradigm to analyze social phenomena of interest to the differing subprograms.		x	social, ecology

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Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 215	Analytical Methods for Planning	Emphasizes the development of analytical techniques proven useful in the fields of management and administration. Topics include multiple regression, cost-benefit analysis and discounting, decision trees, and other techniques useful for the purposes of community analysis and planning.		x	planning, community, capacity-building, development, urban
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 283	Collaborative Governance and Public Management	Introduction to inclusive management. To make effective use of public resources, public managers are inventing ways of managing that alter relationships within organizations, between organizations, between sectors, and with the public. Requires rethinking fundamentals such as leadership and motivation.		x	inclusive, resources, resource efficiency, collaborative, governance, public policy
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 227	Economics of Government	Prepares students to analyze public policy questions with tools from economics. By the end, students should be able to identify important economic issues in public policy debates and consume and critique economic research on these topics.		x	public policy, economic, policy, law and regulation, economic analysis
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 205	Environmental Economics and Policy	Provides a broad introduction to environmental economics and to environmental policy. Environmental problems facing the United States and Europe are analyzed, and whenever possible, the environmental problems facing developing countries.	x		environmental, economic, policy, environmental policy, least developed countries, developing countries, international
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 235	Geographic Information Systems (GIS) Problem Solving in Planning	Explores the application of geographic information systems (GIS) in urban planning. Steps through a GIS-based planning procedure that balances housing, jobs, tax base, utilities, transportation, and the natural environment.		x	geographic, geography, urban, planning, adequate housing, unemployment, natural, environment, transportation, public transit, road traffic
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 273	Global Urbanization	Examines the spread of cities worldwide in the 20th century. What are the political and economic causes of this process? What are the social-cultural, political, and economic effects? How is contemporary urbanization linked to global restructuring of other kinds? Includes multiple readings that address urban environmental sustainability.	x		urbanization, global, urban sprawl, urban, social, culture, economic, sustainability, sustainable, environmental

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Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 243	Health Policy and Management	Multidisciplinary inquiry into theory and practice concerned with delivery, quantity, costs of health care for individuals and populations. Explores managerial and policy concerns regarding structure, process, outcomes of health services including the costs, financing, organization, outcomes, and accessibility of care.		x	health, universal health care, equal access, policy, population
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 202	History of Urban Planning	Introduction to the historical roots and fundamental perspectives of urban and regional planning. Exploration of the significant historical phases and personalities which have shaped the profession. The roles and responsibilities, the limitations and potential, of urban planning.		x	urban, planning, urbanization, urban sprawl, land use
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 246	Housing Policy	Examines theories and practices of housing policy and the relationship of housing to larger neighborhood, community, and regional development issues. Considers the roles of private for-profit and not-for-profit developers, lenders, and all levels of government in the provision of housing. Students study new affordable housing programs and initiatives for sustainable green building, linkages with public transportation, and innovative design.	x		community, development, civil society, adequate housing, policy, public policy, basic rights, design, Leadership in Energy and Environmental Design (LEED), green, sustainable, building, infrastructure, transportation, public transit
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 244	Land-Use Policy	Examination of the role of public policy in guiding growth and development in urban and suburban environments. Description of a wide-ranging set of growth policies, the rationales underlying their use, controversies and legal constraints, and evaluation of their effectiveness.	x		public policy, development, environment, urban, urbanization, suburbanization, land use, law and regulation, policy, environmental policy
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 206	Microeconomic Analysis for Urban Planning	Provides students with a working knowledge of basic microeconomic concepts. Emphasizes applications related to urban planning and policy analysis. Topics covered include demand analysis, firm behavior, market structure, public goods, externalities, and the role of economics in land markets.		x	urban planning, policy, public policy, economic

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Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 240	Microeconomics and Public Policy	Introduces the fundamental principles of microeconomics that are required for applied policy analysis. Provides students with an intuitive understanding of the microeconomic approach, and familiarizes them with concepts used in applied public policy analysis.		x	public policy, policy, economic
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 204	Plan Development and Communication	Graphic representation and communication of physical place characteristics, design and physical planning ideas, and concepts using a variety of graphic techniques of free hand drawing, sketching, orthographic representations, scale drawings, 3D representations, maps, photo-documentation, and various media.		x	planning, development
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 210	Practice Experience	Provides Master of Urban and Regional Planning students an opportunity to link classroom knowledge with real planning situations through a 10-week unpaid practice experience.		x	urban, planning
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 292	Professional Report	Workshop designed to assist M.U.R.P. students in conducting their professional reports. Students select topics, design projects, conduct professional investigations, and write up reports.		x	urban, planning
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 221	Public Policy	Explores different approaches to public policy analysis, the diverse conceptions of the goals and objectives that should be served by policy, and the appropriate role of the policy analyst. Policy consequences are traced to indirect and subtle incentives and disincentives.		x	public policy, urban, diverse, policy
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 214	Quantitative Analysis for Planners	Introduces students to the basic statistical concepts used to address issues of public concern. Prepares students to perform, interpret, and evaluate quantitative data analyses commonly used in professional studies.		x	planning, public space, public policy, policy

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Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 203	Theoretical Foundations of Planning	Intellectual excursion into central themes in policy and planning, including philosophy of the market, institutionalization of space, hypostatizations of policy, constructions of communities, logics of spatial analysis. Objective is engagement of the professional in thoughtful reflections on practice and institutions.		x	policy, communities, engage, planning
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 231	Transportation and Environmental Health	Critically evaluates how transportation can promote sustainable, healthy, and equitable cities. Examines the interaction of transportation systems with urban form, land use, community health, and environmental quality.	x		sustainable, health, equity, transportation, urban, environmental, environment, land use, community
Social Ecology	Urban Planning and Public Policy	Graduate	UPPP 212	Transportation Planning and Policy	Introduces current topics in transportation planning. Includes an analysis of the economic role of transportation in urban areas, land-use impacts of transportation projects, traffic congestion, air quality, alternatives to the automobile, and other transportation topics.	x		transportation, planning, air quality, pollution, land use, economic, road traffic
<b>Total Social Ecology</b>						<b>7</b>	<b>45</b>	
Social Sciences	Anthropology	Graduate	ANTH 215A	Ethnographic Methods	Exposes students to diverse methods, both traditional and experimental, used in anthropological ethnographic research. Students gain experience practicing diverse methods, and learn to select methods appropriate to particular study designs and contexts.		x	community, society, diverse, traditional knowledge, community-based research, community-based participatory action research
Social Sciences	Anthropology	Graduate	ANTH 230F	Ethnography	Explores the theory and practice of ethnography with a focus on anthropology, the discipline most associated with ethnography. Students are exposed to the theoretical underpinnings of ethnographic work, traditional and innovative practices, and sample ethnographies.		x	society, culture, cultural diversity, diversity, minorities
Social Sciences	Anthropology	Graduate	ANTH 246	Feminist Anthropology	Examines feminist anthropology's rise as an interdisciplinary field. Paying special attention to issues of power, subjectivity, and authority in the research encounter, feminist anthropologists' major contributions to ethnography, gender studies, queer studies, and cultural anthropology are surveyed.		x	gender-sensitive, gender inequality, gender disparities, power, cultural

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Social Sciences	Anthropology	Graduate	ANTH 257A	Natures and Environments	Examines social scientific understandings of natural contexts and human milieus via a survey of key analytic categories. Begins by examining historical and ongoing definitions and problems organized around "nature" and "environment" as separate but imbricated concepts.	x		social, nature, environment, harmony with nature, respect for nature, environmental hazards, natural
Social Sciences	Anthropology	Graduate	ANTH 215B	Research Design	Introduces research design for anthropology, including concept work and mapping, research topic and aims development, research question construction, and fieldwork planning.		x	geography, planning, development
Social Sciences	Anthropology	Graduate	ANTH 256B	Secrecy, Security, and Surveillance	Explores secrecy and security as fundamental to constructions of public and private domains, relations of citizenship and sovereignty, the militarization of everyday life, and the ways that the fabrics of societies are woven of both trust and deceit.		x	society, safety, governance, civil society, public domain
Social Sciences	Anthropology	Graduate	ANTH 250A	The Cultural Politics of Visual Representation	Develops a theoretical framework for analyzing and reading visual images. Images, as cultural productions, are steeped in the values, ideologies, and taken-for-granted beliefs of the culture which produced them and a political economy that is class, race, and gender inflected.		x	culture, cultural diversity, cultural heritage, diversity, economy gender-sensitive, discrimination
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 210A	Cultural and Historical Precedents for Latinos and Medical Care	Introduction to the history of Latinos, focusing on relevant pre-Columbian, colonial, and modern social and cultural developments, including issues of race, gender, sexuality, religious beliefs, and health beliefs and practices.		x	minorities, social, development, cultural diversity, culture, diversity, gender-sensitive, health, human health, migrants
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 210B	Cultural and Historical Precedents for Latinos and Medical Care	Introduction to the history of Latinos, focusing on relevant pre-Columbian, colonial, and modern social and cultural developments, including issues of race, gender, sexuality, religious beliefs, and health beliefs and practices.		x	minorities, social, development, cultural diversity, culture, diversity, gender-sensitive, health, human health, migrants

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 223	Ethnic America	Examines critically the meaning and measurement of ethnicity, race, and nation in sociological theory and research. Theories of ethnicity are explored, along with empirical studies of the construction of ethnic and pan-ethnic identities in historical and contemporary contexts.		x	minorities, cultural heritage, cultural diversity, diversity, culture, international, migration, migrants, discrimination
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 217	Ethnography	Explores the theory and practice of ethnography with a focus on anthropology, the discipline most associated with ethnography. Students are exposed to the theoretical underpinnings of ethnographic work, traditional and innovative practices, and sample ethnographies.		x	society, culture, cultural diversity, diversity, minorities
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 224	Immigrant America	The study of the causes and consequences of international migration has become one of the most vital fields of sociological theory and research. Examines principal theoretical perspectives and empirical research on contemporary immigration flows and the processes of incorporation.		x	international, migration, discrimination, migrants, migrant workers, minorities
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 211B	Latinos/Latinas and Medical Care: Contemporary Issues	Introduction to medical anthropological and social science perspectives on Latinos/Latinas in relation to a number of health and medically-related issues, i.e., immigration, gender, reproduction, culture, social structure, political economy, sexuality, utilization of medical services, and health beliefs.		x	resilience, health, human health, minorities, population, migrants, public health, social, traditional knowledge, culture, reproductive rights, reproductive health
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 211A	Latinos/Latinas and Medical Care: Contemporary Issues	Introduction to medical anthropological and social science perspectives on Latinos/Latinas in relation to a number of health and medically-related issues, i.e., immigration, gender, reproduction, culture, social structure, political economy, sexuality, utilization of medical services, and health beliefs.		x	resilience, health, human health, minorities, population, migrants, public health, social, traditional knowledge, culture, reproductive rights, reproductive health

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Chicano/Latino Studies	Graduate	CHLT 200A	Theoretical Issues in Chicano/Latino Research	Introduction to theoretical issues in the scholarship in Chicano/Latino Studies. Theories from social sciences, humanities, critical theory. Topics: immigration, identity, gender and sexuality, globalization, transnationalism, social, political, and economic integration, race theory, labor market participation, social history, cultural productions.		x	gender-sensitive, labor standards, migrants, social, minorities, migrant workers, international, diversity, culture, cultural diversity, migration, globalization
Social Sciences	Criminology, Law and Society	Graduate	CLS C242	Crime Hotspots	Focuses on the criminological theory of hotspots, beginning with the "when, where, and why" questions and ending with the practical policing strategies that have been developed to mitigate hotspot public safety hazards.		x	safety, geography, organized crime, poverty, discrimination, justice
Social Sciences	Criminology, Law and Society	Graduate	CLS C253	Cybercrime, Cybersecurity, and Society	Introduces students to the world of cybercrime in the age of globally networked digital, and information and communication technologies (ICT). Presents a socio-legal approach to the study of cybercrime, cybersecurity, and how it relates to society.		x	society, law and regulation, safety, global
Social Sciences	Criminology, Law and Society	Graduate	CLS C254	Immigration in the US: Economic, Fiscal, and Social Outcomes	The changing patterns of immigration in the U.S. and the role that immigrants play in our society. In particular, the economic and social outcomes of immigration, as well as the relationship between immigration, crime, and criminal justice policy.		x	migration, social, justice, economic, society, discrimination, minorities, international
Social Sciences	Criminology, Law and Society	Graduate	CLS C257	Juvenile Justice and Gangs	Aims to understand the history and evolution of the juvenile justice system, and introduces the challenges that street and prison gangs pose to the mission and operations of juvenile justice in America.		x	justice, organized crime, safety, poverty, discrimination
Social Sciences	Criminology, Law and Society	Graduate	CLS C250	Preventing Errors of Justice	Examines the types of errors that are made in the U.S. criminal justice system and how we might prevent these errors, including failures to convict guilty offenders as well as wrongful convictions of the innocent.		x	preventable death, discrimination, justice, social systems, safety
Social Sciences	Criminology, Law and Society	Graduate	CLS C255	Public Policy	Explores different approaches to public policy analysis, the diverse conceptions of the goals and objectives that should be served by policy, and the appropriate role of the policy analyst. Policy consequences are traced to indirect and subtle incentives and disincentives.		x	public policy, urban, diverse, policy

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Criminology, Law and Society	Graduate	CLS C260C	Race and Justice Studies Proseminar	A year-long proseminar conducted by a team of instructors specializing in race and justice studies. Conceived as a reading and peer mentor group focusing on intellectual and professional development. Required for students pursuing the Race and Justice Studies emphasis.		x	discrimination, development, justice, social justice, minorities, migration, equity, equality
Social Sciences	Criminology, Law and Society	Graduate	CLS C240C	Socio-Legal Workshop	Designed to foster intellectual discussion, encourage practice and skill-building in providing feedback, and build substantive knowledge of legal scholarship, this workshop is for both law and doctoral students across campus who are interested in interdisciplinary approaches to studying law.		x	law and regulation, society, social
Social Sciences	Economics	Graduate	ECON 243B	Advanced Game Theory	Provides advanced instruction in game theory. The topics covered will be (i) the theory of repeated games and (ii) evolutionary game theory. Applications include bargaining, collusion, reputation, social norms, and the evolution of preferences via natural selection and cultural transmission.		x	culture, natural, responsive decision-making, economic
Social Sciences	Economics	Graduate	ECON 234	American Economic History	Focuses on American economic history from colonization onwards. Topics include the development of legal systems, transport systems, financial markets, industrialization, migration, immigration, technological change, and the consequences of slavery.		x	slavery, migration, migrants, international, forced labor, labor standards, transportation, public transit, economic, law and regulation
Social Sciences	Economics	Graduate	ECON 275	Economics of Government	Prepares students to analyze public policy questions with tools from economics. By the end, students should be able to identify important economic issues in public policy debates and consume and critique economic research on these topics.		x	public policy, economic, policy, law and regulation, economic analysis
Social Sciences	Economics	Graduate	ECON 245	Empirical Methods in Applied Microeconomics	Focuses on the empirical methods used in modern applied microeconomics. Teaches methods that can be applied to produce original research in applied fields using cross-sectional and panel data. Applications will be drawn heavily from labor, public, health and development economics.		x	economic, development, health, human health, society, decent work

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Economics	Graduate	ECON 241A	Industrial Organization I	Analysis of the structure and economic performance of markets, and the impact of public policy and their efficiency and equity. Effects of information structure. Oligopoly, cartels, mergers, vertical integration, patents, innovation, antitrust, and regulation.		x	law and regulation, public policy, efficiency, equity, economic, organized crime, illicit financial
Social Sciences	Economics	Graduate	ECON 261A	International Trade I	Covers theoretical models, empirical methods, and policy issues in international trade. Following the conventional treatment of the Richardian model, the Heckscher-Ohlin model and the specific factors model, new trade models which incorporate scale economics and imperfect competition will be discussed.		x	economic, international, global, trade, policy, law and regulation
Social Sciences	Economics	Graduate	ECON 251A	Labor Economics I	Analysis of the relationships between education and the labor market (human capital theory), between resources devoted to education and the return to education (the education production function) and between education and labor market inequality (the theory of skill-biased technical change).		x	resources, resource efficiency, inequality, education, labor standards, capital
Social Sciences	Economics	Graduate	ECON 251B	Labor Economics II	Analysis of core topics in labor economics, with an emphasis on empirical methods. Topics may include minimum wages, discrimination, gender, aging and retirement, labor market networks, personnel economics, and employment policy.		x	gender-sensitive, gender pay gap, gender disparities, disparities, gender inequality, discrimination, economic, inequality, labor standards, unemployment, policy
Social Sciences	Economics	Graduate	ECON 210D	Macroeconomic Theory I	Advanced macroeconomic theory including alternative macroeconomic models, microeconomic foundations of macroeconomics, investment and growth theory, inflation and unemployment, rational expectations and macroeconomic policy, wealth effects, crowding out and fiscal policy, money and interest, open economy models.		x	unemployment, economic, economy, policy, distribution of wealth

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Economics	Graduate	ECON 210E	Macroeconomic Theory II	Advanced macroeconomic theory including alternative macroeconomic models, microeconomic foundations of macroeconomics, investment and growth theory, inflation and unemployment, rational expectations and macroeconomic policy, wealth effects, crowding out and fiscal policy, money and interest, open economy models.		x	unemployment, economic, economy, policy, distribution of wealth
Social Sciences	Economics	Graduate	ECON 210F	Macroeconomic Theory III	Advanced macroeconomic theory including alternative macroeconomic models, microeconomic foundations of macroeconomics, investment and growth theory, inflation and unemployment, rational expectations and macroeconomic policy, wealth effects, crowding out and fiscal policy, money and interest, open economy models.		x	unemployment, economic, economy, policy, distribution of wealth
Social Sciences	Economics	Graduate	ECON 210A	Microeconomic Theory I	Theoretical microeconomics. Emphasis on the meaning and empirical interpretation of theoretical models. Topics include theory of the firm, theory of the market, theory of the consumer, duality theory, application to econometrics, general equilibrium and welfare economics, uncertainty, game theory.		x	economic, economy, public policy, society, capital
Social Sciences	Economics	Graduate	ECON 210B	Microeconomic Theory II	Theoretical microeconomics. Emphasis on the meaning and empirical interpretation of theoretical models. Topics include theory of the firm, theory of the market, theory of the consumer, duality theory, application to econometrics, general equilibrium and welfare economics, uncertainty, game theory.		x	economic, economy, public policy, society, capital
Social Sciences	Economics	Graduate	ECON 210C	Microeconomic Theory III	Theoretical microeconomics. Emphasis on the meaning and empirical interpretation of theoretical models. Topics include theory of the firm, theory of the market, theory of the consumer, duality theory, application to econometrics, general equilibrium and welfare economics, uncertainty, game theory.		x	economic, economy, public policy, society, capital

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Economics	Graduate	ECON 255	Microeconomics and Public Policy	Introduces the fundamental principles of microeconomics that are required for applied policy analysis. Provides students with an intuitive understanding of the microeconomic approach, and familiarizes them with concepts used in applied public policy analysis.		x	public policy, policy, economic
Social Sciences	Economics	Graduate	ECON 260B	Monetary Economics II	Surveys recent issues on monetary policy in uncertain environments. Examines settings where both the policy makers and the private sector are uncertain of future outcomes or the underlying economic structure.		x	policy, decision making under deep uncertainty, public policy, responsive decision-making, representative decision-making, economic
Social Sciences	Economics	Graduate	ECON 270A	Political Economy I	Political Economy lies at the intersection of economics and political science. Studies effects of politics on the economy and uses tools derived from economics to understand the behavior of governments and of citizens when they deal with politics.		x	society, behavioral change, governance, economic, law and regulation
Social Sciences	Economics	Graduate	ECON 272A	Public Economics I	Covers welfare economics, the theory of optimal taxation, tax incidence, and empirical methods in tax policy. Empirical topics include tax evasion, measurement of incidence, efficiency costs, and other policy issues.		x	efficiency, policy, economic, social systems
Social Sciences	Economics	Graduate	ECON 281A	Urban Economics I	Economic reasons for the existence of cities, analysis of urban spatial structure, urban sprawl, Third World urbanization, hedonic price analysis, housing tenure choice.		x	urban, urban sprawl, urbanization, tenure rights, adequate housing, developing countries, least developed countries
Social Sciences	Economics	Graduate	ECON 281B	Urban Economics II	Housing in the portfolio, land-use controls, rent control, homelessness, neighborhood effects, urban quality-of-life measurement, and subcenters.		x	land use, adequate housing, urban, economics, quality of life
Social Sciences	Global and International Studies	Graduate	IS 202	Foundations of European Social Thought	Provides graduate students with a broad overview of the major landmarks in the development of modern social thought. Introduces key philosophers and theorists Adam Smith, Marx, Durkheim, Weber, Freud, and Du Bois, focusing on the global dimensions of their work.		x	social, international. development, global

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Global and International Studies	Graduate	IS 203	Globalizing Social Theory in the Age of Extremes	Examines important developments in social theory between 1914 and 1991. The overarching goal is to synthesize from these various approaches a critical and transdisciplinary theoretical framework to analyze complex global issues.		x	global, social, globalization, development
Social Sciences	Global and International Studies	Graduate	IS 201	What is Global Studies?	Introduces graduates to the field of global and international studies. Landmark studies outline the transition from globalization studies to contemporary global studies. Identify complex global issues, underlying processes of globalization, and the impacts they have on people around the world.		x	global, globalization, international
Social Sciences	Political Science	Graduate	PLSC 212B	Ethics Workshop	Students find an important question in ethics, search literature to assess topic's importance, post question to be researched, propose method of analysis and type of data, analyze data, and note how their works contribute to knowledge in the field.		x	ethics, human, moral and spiritual wisdom, rights
Social Sciences	Political Science	Graduate	PLSC 221A	Public Policy	Explores different approaches to public policy analysis, the diverse conceptions of the goals and objectives that should be served by policy, and the appropriate role of the policy analyst. Policy consequences are traced to indirect and subtle incentives and disincentives.		x	public policy, urban, diverse, policy
Social Sciences	Political Science	Graduate	PLSC 241E	Research Design in International Relations	Surveys research design primarily through substantive readings in international relations. The purpose is to familiarize students with choices/dilemmas relevant to IR-specific research. Students at various stages in the graduate program and with different methodological orientations are welcome.		x	social, society, international, ethics, moral and spiritual education, adapt, design, global
Social Sciences	Political Science	Graduate	PLSC 241B	Seminar in International Relations Theory	Overview of the major theories guiding research and scholarship in international relations. Focus on major conceptual approaches (realism, neoliberalism, Marxism) and levels of analysis (systemic, state, and subnational), as well as on methodological/epistemological debates engulfing the field.		x	international, culture, cultural heritage, law and regulation, governance

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Graduate	SOCL 210B	Contemporary Social Theory	Familiarizes students with 20th-century developments in social thought that have influenced sociological research, suggesting "what is living and what is dead" in the "classics" and offering an overview of the main outlines of recent sociological theorizing.		x	development, social, society
Social Sciences	Sociology	Graduate	SOCL 234	Ethnic America	Examines critically the meaning and measurement of ethnicity, race, and nation in sociological theory and research. Theories of ethnicity are explored, along with empirical studies of the construction of ethnic and pan-ethnic identities in historical and contemporary contexts.		x	minorities, cultural heritage, cultural diversity, diversity, culture, international, migration, migrants, discrimination
Social Sciences	Sociology	Graduate	SOCL 252A	Global Urbanization	Examines the spread of cities worldwide in the 20th century. What are the political and economic causes of this process? What are the social-cultural, political, and economic effects? How is contemporary urbanization linked to global restructuring of other kinds? Includes multiple readings that address urban environmental sustainability.	x		urbanization, global, urban sprawl, urban, social, culture, economic, sustainability, sustainable, environmental
Social Sciences	Sociology	Graduate	SOCL 264	Immigrant America	The study of the causes and consequences of international migration has become one of the most vital fields of sociological theory and research. Examines principal theoretical perspectives and empirical research on contemporary immigration flows and the processes of incorporation.		x	international, migration, discrimination, migrants, migrant workers, minorities
Social Sciences	Sociology	Graduate	SOCL 226A	Methods of Demographic Analysis	Introduces basic demographic methods used in social science and public health research. Topics include sources and limitations of demographic data; components of population growth; measures of nuptiality, fertility, mortality, and population mobility projection methods; and demographic models.		x	social, population, population growth, public health, mortality rate, reproductive health, population
Social Sciences	Sociology	Graduate	SOCL 212	Network Theory	An introduction to theoretical work in the field of social networks. Topics include baseline models, homophily, and propinquity, exchange and power, balance theory, diffusion and social influence, equivalence, and cohesion. Deductive use of theory to make novel predictions is emphasized.		x	social, power, community

School	Department	Level	Course Code	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Sociology	Graduate	SOCL 262A	Population	Introduces the interrelationships between population and social organization. Considers measurement and explanation of historical and contemporary trends in birth rates, death rates, migration, and marriage and divorce. Case material is drawn primarily from the U.S. and other industrialized nations.		x	population, social, population change, population growth, migration, international, minorities
Social Sciences	Sociology	Graduate	SOCL 240A	Social Movements	A survey of the field of Social Movements, oriented around critical themes in the major theoretical traditions and contemporary exemplars.		x	social, culture, society, social change, solidarity
Social Sciences	Sociology	Graduate	SOCL 242	Sociology of Culture	Major perspectives in the sociology of culture. Topics include the role of cultural dynamics in the reproduction of inequality, collective action, political and organizational decision making, emotional experience, and the social impacts of new technologies.		x	social, culture, society, inequality, responsive decision-making, social change
<b>Total Social Sciences</b>						<b>2</b>	<b>57</b>	

## Additional Self-Reported Sustainability-Related Courses

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Arts	Art	Undergraduate	Art + Sustainability	The core and subject of this course is climate change and sustainability.	x		climate change, sustainability
Arts	Art History	Undergraduate	Environmental Art	The course examines the intersection of contemporary environmental art production alongside a range of themes pertaining to climate crisis and sustainability.	x		environmental, climate-related, climate, sustainability
Arts	Drama	Graduate	Graduate Directing	A directing studio class focused on developing strategies and skills essential for creating original theatrical work addressing an expansive menu of topics. Topics have included: collaborations with several UCI research scientists, math concepts, the issue of COVID in California prisons, gun proliferation and violence, the “me-too” movement and the contemporary global issue of asylum seekers. This class supports the training for directors being “Citizen Artists” utilizing their skills, passion and perspective to give voice to contemporary issues in our world.		x	violence, global, human health, health, collaborative, justice
Arts	School of Arts Core	Graduate	Eco Aesthetics	This graduate seminar examines the wide-ranging concept of ecology and its intersection with contemporary visual art and theory, in addition to adjacent fields of anthropology and literary ecocriticism.	x		ecology, ecosystem, nature, environment
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	Center for Environmental Biology (CEB) Undergraduate Internship	To link academic research with the conservation, restoration, and stewardship of natural systems, and to educate the next generation of environmental biologists and stewards. The mission of the CEB internship program is to engage interns in authentic environmental research and outreach experiences to enhance their expertise in science, education, and outreach, especially related to the management of natural resources. CEB runs a year-long internship program open to UCI undergraduates of all majors.	x		conservation, natural, environmental, future generations, education, resource
Biological Sciences	Ecology and Evolutionary Biology	Graduate	Communication Skills	The course teaches graduate students from environmental fields how to communicate their research to diverse audiences.		x	environmental, environment, diversity

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Biological Sciences	Ecology and Evolutionary Biology	Undergraduate	Population and Community Ecology Lab	Covers processes specific to groups of the same species (populations) and multiple species (communities). Includes growth, regulation, dynamics, and persistence of populations and community interactions, development, diversity, and macroecology. Lab activities focus on application of population prediction and biodiversity assessment.	x		ecology, ecosystem, nature, environment, communities, population, diversity, biodiversity
Biological Sciences	School of Biological Sciences Core	Undergraduate	Introduction to Ecology	Principles of ecology; application to populations, communities, ecosystems, and humans.	x		ecosystem, nature, human communities, communities, ecology
Biological Sciences	School of Biological Sciences Core	Undergraduate	UCI Natural Land Management Lead Program	Students will participate in one quarter of training by UCI-Nature staff and 2 quarters of leading activities. Students may choose to focus on one area of natural lands management or a combination. Activities would include: docent led interpretation of natural and land use history and research activities; organizing and conducting stewardship such as native planting, weed control and trail maintenance; and participating or leading community science projects involving data collection, mapping, and surveying.	x		natural, land use, native species, community-based research, environment, protected area
Biological Sciences	School of Biological Sciences Core	Undergraduate	Undergraduate Research in Biological Sciences	Undergraduate research on barriers to speciation affecting biodiversity in Hawaiian Islands.	x		biodiversity, ecosystem, nature, environment
Engineering	Chemical and Biomolecular Engineering	Graduate	Electrochemical Kinetics	Current policy items are viewed in parallel with technical topics to which those correspond.		x	policy, public policy
Engineering	Chemical and Biomolecular Engineering	Undergraduate	Introduction to Electrochemical Engineering	The course is teaching about electrochemical clean energy technologies, these are electrolyzers and fuel cells that operate without emissions.	x		clean energy, fuel, emissions
Engineering	Civil and Environmental Engineering	Graduate	Fluid Mechanics and Turbulence	Students learn how mass and energy move in the lower atmosphere which cycles carbon and water.	x		atmosphere, climate dynamics, carbon, carbon cycle, hydrologic cycle, water
Engineering	Civil and Environmental Engineering	Graduate	The Science and Engineering of Wildfires	Students learn how wildfires behave and what can be done to mitigate them.	x		wildfire, environment, mitigation, natural

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Engineering	Mechanical and Aerospace Engineering	Undergraduate + Graduate	Aircraft Systems and the Environment	Discusses topics and challenges relating to aircraft and the environment, including gaseous/particulate emissions, noise emissions, and reductions in these.	x		travel, transportation, clean air, air quality, pollution, air pollution, environment
Humanities	English	Undergraduate	Climate Fiction	This course introduces students to climate change novels as well as to other modes of writing on climate change and environmental justice.	x		climate change, environmental justice
Humanities	History	Undergraduate	First Encounters	The course deals with the first contacts between outsiders and the people of the Andaman Islands, Papua New Guinea, the Caribbean, and the Amazon. The sustainability and ecology of these peoples are debated in a series of papers and discussions throughout the course.		x	indigenous peoples, global, international, diversity, cultural heritage, cultural significance, sustainability, ecology
Humanities	History	Undergraduate	Utopia: A Spatial History	In several of weeks in the course, which is devoted to understanding the history of attempts to implement utopian ideas in real places, students are introduced to varieties of ecological utopianism. These include the Arts and Crafts Movement and Garden Cities (inspired by William Morris and Ebenezer Howard, respectively); "Back-to-the-Land" or homesteading movements in various countries; and more recent iterations of ecological utopianism, from the "Green City" movement to iterations of environmental justice, to the activities of Extinction Rebellion.	x		green, ecology, green space, garden, environmental justice, extinction
Law	Law	Graduate	Advanced Environmental Law Clinic	The Advanced Environmental Law Clinic will provide students with an extended opportunity to work on cases and matters involving environmental, natural resources and/or energy law issues. The Clinic will provide a rigorous and intellectually challenging educational experience for students interested in environmental and natural resources law, conservation, administrative law, and/or complex civil litigation. This is an advanced clinic open to students who have already completed their clinic degree requirement and who desire to continue work with their on-going cases. There is a classroom component for this advanced clinic.	x		environmental policy, environment, law and regulation, air, water, marine resources, wildlife, toxic, pollution, climate change energy, conservation, natural, resources

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Law	Law	Graduate	Environmental Law Clinic	The Environmental Law Clinic will provide students the opportunity to work on cases and matters involving environmental, natural resources and/or energy law issues. Clinic students will take an active role in matter development and case work, assuming substantial responsibility at an early stage. The Clinic will represent clients involved in litigation (courts and administrative tribunals) and counsel clients in other fora. The Clinic's case load is likely to be diverse, spanning a wide range of environmental and natural resources law, with the potential to cover local, regional and national issues ranging from air, water, and coastal pollution, to issues dealing with wildlife and marine protection, toxics, climate change and energy. The Clinic will provide a rigorous and intellectually challenging educational experience for students interested in environmental and natural resources law, conservation, administrative law, and/or complex civil litigation.	x		environmental policy, environment, law and regulation, air, water, marine resources, wildlife, toxic, pollution, climate change energy, conservation, natural, resources
Other	Other	Undergraduate	Global Sustainability CW	The course is focused on sustainability throughout the whole curriculum and is the capstone for global sustainability minors.	x		sustainability, global
Public Health	Environmental and Occupational Health	Graduate	Environmental Health Sciences Seminar	Weekly graduate program seminar dealing with environmental health topics.	x		environmental health, environment

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Social Ecology	Urban Planning and Public Policy	Undergraduate	Advanced Geographic Information Systems	Geographic Information Systems (GIS) help us understand social issues with a spatial dimension. Picking up where the prerequisite introductory course left off, this advanced course extends students' technical skills by using geoprocessing to analyze spatial data. At the same time, students take a deeper dive into the theory behind spatial analysis in general and spatial and environmental justice in particular. For the final project, student teams collaborate with the following regional community partners to define and answer a spatial justice-focused research question: Climate Action Campaign, Environmental Health Coalition, Bike San Diego, SanDiego350, San Diego Coastkeeper, Surfrider Foundation.	x		climate action, geography, environmental justice, community-based research, marine resources
Social Ecology	Urban Planning and Public Policy	Undergraduate	Focal Point for Sustainability Problems and Solutions I	This course is all about sustainability practices in urban areas and how we can create more sustainable policies and practices.	x		sustainability, urban, urban sprawl, policy, public policy
Social Ecology	Urban Planning and Public Policy	Undergraduate	Focal Point for Sustainability Problems and Solutions II	This course is all about sustainability practices in urban areas and how we can create more sustainable policies and practices.	x		sustainability, urban, urban sprawl, policy, public policy
Social Ecology	Urban Planning and Public Policy	Graduate	Sustainable Cities	The course takes a hands-on approach to how cities can promote the outcomes needed to confront current global threats. Students discuss the meaning of sustainability in different contexts, identify the mindset needed to tackle social-ecological problems in cities, take a critical look at existing strategies and case studies, learn the tools for sustainability planning, and develop potential solutions to local and global challenges.	x		global, sustainability, urban, development, urban sprawl, global, ecology, society, planning
Social Sciences	Political Science	Undergraduate	Directed Study: Chinese Investment's Impact on Global Sustainability	Purpose of the directed study is to assess the impact of Chinese out-bound investment on environmental outcomes.	x		international, environmental, global

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Political Science	Undergraduate	Rich States, Poor States	Lesson modules include studying the impact of economic development on environmental outcomes for sustained economic development.		x	economic, environmental, sustainable, development
Social Sciences	Political Science	Undergraduate	ST Public Law: Cyberspeech, Gaming & Law	The entire course is devoted to an exploration of American law, with a particular emphasis on free speech concerns that impacted (unsuccessful) governmental attempts to regulate minors' access to smut on the Internet, free speech concerns that impacted (unsuccessful) governmental attempts to regulate minors' access to violence in video games, free speech concerns that animate the distinction between ideas/expression with regard to the proprietization of speech under copyright law, and free speech concerns that animate the use of several contextual/artistic factors with regard to copyright's "fair use" defense.		x	freedom of speech, rights, law and regulation, policy
Social Sciences	Political Science	Undergraduate	ST Public Law: Federalism & the Courts	The entire course is devoted to an exploration of American law, with a particular emphasis on economic consequences and resulting authority of the federal government to regulate behaviors such as: labor compensation and workplace conditions, production and farming quotas during economic crisis, racial discrimination by private businesses, gun possession, and medical marijuana possession/consumption.		x	economic, discrimination, law and regulation, effective government, rights

School	Department	Level	Title	Course Description	Focused	Inclusive	Keywords
Social Sciences	Political Science	Undergraduate	ST Public Law: Law & Markets	The entire course is devoted to an exploration of American law, with a particular emphasis on stock market manipulation and federal regulation of securities in the abstract, difficulties in separating stock market manipulation from lawful speech in the specific context of “cyber-smearing” and defamation, free speech concerns that animate the use of several contextual/market-based factors with regard to copyright’s “fair use” defense, and the growing tension between emerging communications technologies and the potential for pre-existing market-leaders to maintain their industry dominance (and fulfill their mandate to maximize stockholder value) by stretching legal theories of indirect/contributory copyright infringement to new extremes.		x	freedom of speech, rights, law and regulation, policy