

Department/Program	Subject #	Course Title	Course Description	Sustainability Course	Includes Sustainability
Art	ART 080B	Environmental Art	Examines ways artists engage, interact, and comment upon ecology and nature in their artworks by examining environmental art from the 1960s through the present.	x	
Art	ART 125	Enviro Art Studio	Introduces students to environmental art and design through basic concepts, techniques, and studio practice.	x	
History of Art & Visual Culture	HAVC 044	Design Calif	Introduces the complex interplay between design--including architecture, art, engineering, and city planning--and conceptions of environment during the 20th Century in the American West.	x	
History of Art & Visual Culture	HAVC 046	Intro to U.S. Art	Examines art as evidence for understanding evolving beliefs and values of Americans. Explores the social and political meanings of art, and pays particular attention to how artists, patrons, and audiences have constructed nationalism, race, class, sexuality, and gender.		x
History of Art & Visual Culture	HAVC 141K	Activist Art 1960 On	Students explore art and technology produced for social change since 1960 within the context of major historical ruptures, such as the Vietnam War, the women's movement, environmental protection, AIDS activism, anti-capitalist, and international human rights movements.		x
History of Art & Visual Culture	HAVC 141P	NetworksNaturesArt	Through critical readings and primary sources, this course explores the historical and theoretical developments in the interactions of art, culture, nature, and technology. Sample topics include environmental art; media infrastructures; concepts of nature and the nonhuman; and climate change and visual culture.	x	
History of Art & Visual Culture	HAVC 142	Art and Ecology	Investigates contemporary art and the politics of ecology. Examines the intersection of art criticism, politico-ecological theory, environmental activism, and postcolonial globalization	x	
Applied Mathematics & Statistics	AMS 007	StatMthdsBio/Env/Hlth	Computer-based laboratory course in which students gain hands-on experience in analysis of data sets arising from statistical problem-solving in the biological, environmental, and health sciences. Descriptive methods, interval estimation, hypothesis testing, one-and two-sample problems, correlation and regression, one-way analysis of variance, categorical data analysis.		x
Biomolecular Engineering	BME 122H-01	Env Virology	Examines life in extreme environments with an emphasis on the viruses that live there. Integrates aspects of virology, molecular biology, and computational biology. Students investigate a high-salt, extreme environment at the Don Edwards National Wildlife Refuge, and use DNA extraction methods to find molecular evidence of the organisms that live there and describe the genetic content of viruses and the community living in those high-salt ponds. Enrollment is restricted to College Scholar Students, and or by permission of the instructor.		x
Computer Science	CMPS 119	Software for Society	Provides experience with applying computing to social issues. Case studies on multiple issues. For example: privacy, copyright, voting, education, poverty, energy, activism.		x
Electrical Engineering	EE 080J	RenewEnergySources	Introduction to energy storage conversion with special emphasis on renewable sources. Fundamental energy conversion limits based on physics and existing material properties. Various sources, such as solar, wind, hydropower, geothermal, and fuel cells described. Cost-benefit analysis of different alternative sources performed, and key roadblocks for large-scale implementation examined. Latest research on solar cells and applications of nanotechnology on energy conversion and storage introduced.	x	
Electrical Engineering	EE 080S	Sustn Eng/Pract	Topical introduction to principles and practices of sustainability engineering and ecological design with emphasis on implementation in society. Provides an understanding of basic scientific, engineering, and social principles in the design, deployment, and operation of resource-based human systems, and how they can be maintained for this and future generations. No specialized background in engineering, science, or social sciences is assumed.	x	
Electrical Engineering	EE 080T	Modern Elec Tech	Basic knowledge of electricity and "how things work," how technology evolves, its impact on society and history, and basic technical literacy for the non-specialist. Broad overview of professional aspects of engineering and introduction and overview of basic systems and components. Topics include electrical power, radio, television, radar, computers, robots, telecommunications, and the Internet.		x
Electrical Engineering	EE 145	Props Of Materials	The fundamental electrical, optical, and magnetic properties of materials, with emphasis on metals and semiconductors: chemical bonds, crystal structures, elementary quantum mechanics, energy bands. Electrical and thermal conduction. Optical and magnetic properties.		x

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Electrical Engineering	EE 176	Energy Conv/Ctrl	AC/DC electric-machine drives for speed/position control. Integrated discussion of electric machines, power electronics, and control systems. Computer simulations. Applications in electric transportation, hybrid-car technology, robotics, process control, and energy conservation.		x
Electrical Engineering	EE 176L-01	Energy Conv/Ctrl Lab	AC/DC electric-machine drives for speed/position control. Integrated discussion of electric machines, power electronics, and control systems. Computer simulations. Applications in electric transportation, hybrid-car technology, robotics, process control, and energy conservation.		x
Electrical Engineering	EE 180J	Adv Renewable Energy	Introduction to energy sources and storage with special emphasis on renewables as part of smart grids. Fundamental energy conversion limits based on physics and existing source properties. Various sources, such as solar, wind, hydropower, geothermal, tidal energy, and fuel cells described. Electric vehicles, sustainable microgrids, and the integration to smart grids will be studied. Finally, topics of smart meters, demand response, energy market and policy will also be covered.		x
Feminist Studies	FMST 001	Feminist Stds Intro	Introduces the core concepts underlying the interdisciplinary field-formation of feminist studies within multiple geopolitical contexts. Explores how feminist inquiry rethinks disciplinary assumptions and categories, and animates our engagement with culture, history, and society. Topics include: the social construction of gender; the gendered division of labor, production, and reproduction; intersections of gender, race, class, and ethnicity; and histories of sexuality.		x
Feminist Studies	FMST 014	Pop Culture S Asia	Popular culture enables people to make sense of their modern selves and their place in the world. Focusing on South Asia, this course explores the region's rich and variegated popular culture forms, including film, music, television, the painted and printed image, and sport. It also investigates how the popular articulates with nation and global conjunctures and how it constructs hierarchies of class, gender, caste, and sexuality.		x
Feminist Studies	FMST 020	Feminism/SocJust	Examines, and critically analyzes, select post-World War II movements for social justice in the United States from feminist perspectives. Considers how those movements and their participants responded to issues of race, class, gender, and sexuality. A feminist, transnational, analytic framework is also developed to consider how those movements may have embraced, enhanced, or debilitated feminist formations in other parts of the world.		x
Feminist Studies	FMST 021	Religion/Am Politics	Introduces dominant discourses about Christianity and Islam in the American public sphere, with particular attention paid to race, gender, sexuality, and class in thinking about religion. Visual and textual media, political commentary, and popular ethnographies are analyzed.		x
Feminist Studies	FMST 100	Feminist Theories	Core course for feminist studies. Serves as an introduction to thinking theoretically about issues of feminism within multiple contexts and intellectual traditions. Sustained discussion of gender and its critical connections to productions of race, class, and sexuality. Focus will change each year.		x
Feminist Studies	FMST 131	Politics of Matter	Considers how "things"--what we may think of as objects, matter, nature, technology, bodies--are constitutive elements of social and political life. What happens to the political as a category if we take this matter seriously?		x
Feminist Studies	FMST 145	Race/Gender Formatn	Introduces the defining issues surrounding racial and gender formations in the U.S. through an understanding of the term "women of color" as an emergent, dynamic, and socio-political phenomenon. Interrogates organizing practices around women of color across multiple sites: film and media, globalization, representation, sexuality, historiography, and war, to name a select few.		x
Feminist Studies	FMST 194L	Decoloniality and FSS	Introduces decolonial perspectives and considers how science studies might be radically transformed through an engagement with decolonial, indigenous, and black feminist perspectives, and scholars from the global South.		x
Feminist Studies	FMST 194V	Marxism and Feminism	Explores critically the intersections and crisis points between feminism and Marxism as bodies of thought, theoretical formations, and forms of historical inquiry.		x
History	HIS 002A	The World to 1500	Surveys the rise of complex societies: the formation of classical civilizations in Afroeurasia and the Americas, post-classical empires and cross-cultural exchange, technology and environmental change, the Mongol Empire, and oceanic voyages and the origins of the modern world		x

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History	HIS 002B	World Since 1500	Examines major world issues over the past 500 years. Topics include European expansion and colonialism, the Muslim empires, East Asia from Ming to Qing, the Americas, Africa, the scientific-technological revolution, decolonization, and modern environmental problems.		x
History	HIS 010A	U.S. History To 1877	Focuses on the building of British American colonies and the establishment, disintegration, and reconstruction of the nation with an emphasis on how class, race, ethnicity, and gender impacted colonial development and structured the nation's agenda and the definition of citizenship.		x
History	HIS 010B	US Hist 1877-1977	Surveys the political, social, and cultural history of the United States from 1877 to 1977. Focuses on national politics with emphasis on how class, race, ethnicity, and gender changed the nation's agenda.		x
History	HIS 011A	L.Amer ColonlPeriod	Introduces the social, cultural, economic, and political history of the New World through a close examination of the process of European "conquest" in the 16th century and its consequences for both native and settler peoples. Medieval and Renaissance European and African backgrounds; Inca, Maya, Aztec, plains, woodland, and tropical rainforest native American societies; processes of military and cultural conquest; epidemics and ecological changes; native resistance and the establishment of the fundamental institutions of colonial society.		x
History	HIS 011B	L.Amer Natl Period	An introduction to the study of Latin American history from the Independence Wars in the early 19th century to the present. Topics include changing economic models of development, U.S. role, rural and urban life, women, nationalisms, populism, revolution, the military in politics, and the problem of democracy.		x
History	HIS 012	U.S. Latino History	Introduces students to the history of U.S. Latinos drawing on the experience of Central Americans, people of Mexican descent, Puerto Ricans, Dominican Americans, and Cuban Americans. Emphasizes international processes that fundamentally shape U.S. Latino communities.		x
History	HIS 015	US His for NonMajors	Takes students through five critical "moments" in United States history: the American Revolution, the Civil War, the New Deal, the Civil Rights era, and the years following the attack on the United States on Sept. 11, 2001.		x
History	HIS 030	Making of Mod Africa	Examines the loss and reassumption of local and state autonomy in Africa during the 19th and 20th centuries. Delineates the modalities of the colonial state and society, modes of resistance to alien occupation, and the deformation of social, class, and gender relations.		x
History	HIS 040A	Early Mod East Asia	Surveys the history of East Asia from 1500 to 1894. Covers political, social, economic, and cultural histories of China, Japan, and Korea with the goal of perceiving a regional history that encompassed each society.		x
History	HIS 040B	Modern East Asia	A broad introductory survey of the political, social, economic, philosophical, and religious heritage of modern China, Japan, and Korea. Emphasis on the historical foundations of modern nationalism, the colonial experience, and revolutionary movements.		x
History	HIS 041	Making Mod Mid East	History of the modern Middle East from 1800 to the present, with special reference to the 20th century and forces which have shaped the area. The impact of imperialism, nationalism, and revolution in the area, with particular attention to the history of four countries: Turkey, Iran, Egypt, Israel.		x
History	HIS 044	Modern South Asia	Provides an introductory survey of South Asian history and society from the beginning of the 16th Century until the dawn of the 21st Century. Students gain an understanding of major events and long transformations in society, economy, culture, and politics.		x
History	HIS 070A	ModEurope1500-1815	Surveys the economic, social, cultural, and political history of Europe since the late 15th century.		x
History	HIS 070B	ModEurope 1815-pres	Surveys the political, social, and cultural history of Europe from the era of the Industrial Revolution to the beginning of the second millennium.		x
History	HIS 080X	Civil Rights Movmnt	The civil rights movement of the 1950s-60s was one of the most important grassroots social movements in American history. Course examines this movement and its effects on American society, focusing especially on the experiences of rank-and-file participants.		x
History	HIS 080Y	WWII Mem U.S. Japn	Examines how the meaning of such issues as war origins, war responsibility, the atomic bomb, reparations, and racism have been subjects of contention in postwar U.S. and Japan. Students explore the relations between history, memory, and contemporary politics.		x

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History	HIS 110B	US Revolu:1740-1815	Explores the political, social, economic, and cultural development of British North America from the first stirrings of resistance to the establishment of the U.S. Course		x
History	HIS 110D	Civil War Era	Social, political, and economic history of the American Civil War and Reconstruction, focusing on the war's changing nature and significance, emancipation, and the postwar struggle over the future of the South and the nation.		x
History	HIS 110G	U.S. Cold War	From the Good War to the Cold War, the Sixties to the rise of the New Right, the post-1945 American experience has been one of extremes. This survey course looks for evidence of commonality during those times.		x
History	HIS 118	Global Cold War	Explores the history of the Cold War from a global, multinational perspective. Begins with the opening salvos between the United States and the Soviet Union in 1945, and concludes with the collapse of the latter empire in 1991.		x
History	HIS 121A	Afro-Amer to 1877	A survey of pre-contact Africa, indigenous social structures, class relations, the encounter with Europe, forced migration, seasoning, resistance, Africa's gift to America, slavery and its opponents, industrialization, emigration vs. assimilation, stratification, Convention Movement, Black feminism, Civil War, and Reconstruction.	x	
History	HIS 121B	African-Am1877-Pres	A survey of the period from 1877 to present, highlighting Jim Crow, Militarism, Black feminism, WWI, New Negro, Garveyism, Harlem Renaissance, Black Radicalism, Pan Africanism, Depression, WWII, Desegregation Movement, Black Power, 1960s, Reaganism. Cultural and economic emphases.		x
History	HIS 123	U.S. Immigrant Hist	Introduces U.S. immigration history from the colonial era to the present, with emphasis on the recent past. Particular attention given to changing immigration patterns; the character of the immigrant experience; and the range of responses to immigration, including nativism.		x
History	HIS 169	Dutch History	The political, social, economic, and cultural history of the modern Netherlands and Belgium from 1500 to the present day.		x
History	HIS 176	Eastern Europe	Examines the political and social history of modern Eastern Europe, excluding the Balkans and Baltic States, from 1848 to the present. Focuses on the development of nationalism, war, occupation, ethnic strife, communism, and democratic reform in this region.		x
History	HIS 177	Environment 19th C.	Examines ways in which Europeans and others thought about the environment and nature in the 19th century and how their concerns about issues such as climate change, pollution, and conservation were both similar to and different from environmentalist thinking today.	x	
History	HIS 183A	19th-C. Italy	Italian politics, culture, and society from the Napoleonic era through early leftist movements. Central emphasis on the Risorgimento and Unification. Other topics include: north-south conflict; banditry; urban change; growth of tourism; popular religion; family structures and gender; visual arts and opera.		x
History	HIS 1900	African Amercn Hist	Readings and research in the history of religions in the United States. Readings focus on topics including the rise of evangelicalism; gender and religion; class, race, and religious diversity; and modernity.		x
History	HIS 194N	Urban Global South	Urbanization is an important aspect of the making of the Global South. This course introduces the histories of urbanization from the 18th Century to the present. Students read the works of historians, anthropologists, geographers, and sociologists.		x
History of Consciousness	HISC 001	Intro to HISC	Investigates the politics of identity and recognition as the basis for claims about institutional legitimacy and social struggle		x
History of Consciousness	HISC 112	Found. Critic Theory	Concentrates on the Marxist tradition of critical theory, centering on classical texts by Marx and by writers in the Marxist tradition up to the present.		x
Humanities General	CRES 010	Intro to CRES	Examines the concept of race, followed by an investigation of colorblindness, multiculturalism, and post-racialism. Race and ethnicity are examined as historically formulated in relationship to the concepts of gender, sexuality, class, nationalism, indigeneity, citizenship, immigration, and inequality.		x
Humanities General	CRES 100	Comparative Theories	Examines race and ethnicity as categories of lived identity intersecting with gender, sexuality, class, and culture; historical discourses of difference underwriting social inequalities and movements to redress those inequalities; and concepts critical to the understanding and reshaping of power and privilege.		x

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Literature	LIT 167G	Lit & Climate Change	An overview of climate change and its representations in literary and filmic texts. Asks how climate fiction and non-fiction narratives of climate change can help us to confront issues of environmental justice, inequalities of race and class, vulnerability, land rights, and refugeehood.		x
Chemistry and Biochemistry	CHEM 008A	Organic Chemistry	Introduces organic chemistry, with an emphasis on bonding and reactivity of organic compounds.		x
Chemistry and Biochemistry	CHEM 008L-01	Organic Chem Lab	Laboratory experience in organic chemistry associated with course 108A. Designed to introduce the student to the many techniques associated with organic chemistry while affording an opportunity to explore the concepts discussed in the lecture material. This course has one green chemistry experiment - steam distillation of citrus oils, as opposed to extraction with organic solvents. "Green Chemistry" is not stated in the syllabus but it is the title of the experiment.		x
Chemistry and Biochemistry	CHEM 146C-01	Adv Lab Physical	Provides advanced laboratory experience in the areas of nanomaterial synthesis and characterization; spectroscopy; fabrication and measurements energyconversion devices; and soft lithography techniques and instrumentation. Working principles of devices used in sustainable energy (fuel cells, solar cell) are discussed.		x
Earth and Planetary Sciences	EART 012	Intr Weathr/Climate	Many meteorological phenomena are familiar to us: clouds, fog, rain, snow, wind, lightning, and severe storms. Climate is the sum of weather over long periods and is changing (e.g., greenhouse warming, ozone depletion, urban smog) due to mankind's activities. Conceptual understanding of how and why the present-day atmosphere behaves as it does and how this may change in the future is the primary goal of this course.		x
Earth and Planetary Sciences	EART 20L	Environmtl Geolgy Lb	Laboratory sequence illustrating topics covered in course 20, with emphasis on rock and mineral identification, geologic hazard assessment, geologic resource management, and land use planning.	x	
Earth and Planetary Sciences	#MULTIVALUE	Evol of Earth Lab	Laboratory sequence illustrating topics covered in course 110A. Emphasis is on quantifying and evaluating different phenomena related to thermal, tectonic, climatic, and evolutionary processes.		x
Earth and Planetary Sciences	EART 001	Oceanography	An introduction to the physical environment of the ocean. Origin and evolution of ocean basins; sea-floor morphology; origin, distribution, historical record, and economic significance of marine sediments; ocean currents, waves, tides, and changing sea level; beaches, shorelines, and coastal processes; marine resources, pollution, and human impacts on the oceans. Examines human impacts on the oceans, pollution and marine resources.		x
Earth and Planetary Sciences	EART 020	Environmental Geolo	Introduction to aspects of geology which affect and are affected by humans. Addresses a broad range of topics including resource management, geologic hazards, air and water issues, population and land use, energy costs and effectiveness, and global change, all from a unique geological/environmental perspective. Lectures include strategies for mitigating these issues. Addresses hazards of earthquakes, tsunamis, volcanoes, landslides and flooding, and relevance to the sustainability of the built environment.	x	
Earth and Planetary Sciences	EART 104	Geologic Hazards	The recognition, evaluation, and mitigation of geologic hazards: earthquakes and faulting, tsunamis, volcanism, landslides and mass movements, and flooding.		x
Earth and Planetary Sciences	EART 105	Coastal Geology	An investigation of the evolution, morphology, and processes in the coastal zone including the terrestrial (marine terraces, dunes, estuaries, sea cliffs) and marine (beaches, continental shelves, sea level changes, shoreline erosion and protection, waves, tides) components and their interaction. Addresses the science, engineering and conservation of coastal regions which are home to a substantial fraction of the world's population.		x
Earth and Planetary Sciences	EART 106	Coasts in Crisis	Comprehensive assessment of the impacts that the human population is having on the coastal zone globally and the diverse ways in which geologic processes and coastal hazards impact human settlement and development in the coastal zone.		x
Earth and Planetary Sciences	EART 110A	Evolution Of Earth	Investigation of the processes and mechanisms that have produced the present Earth system, with an emphasis on the temporal evolution of the earth from the Archean to the present. Specific topics covered include cyclicity in Earth processes and the evolution of, and interplay between the planet's crust, atmosphere, hydrosphere, and biosphere. Includes a module on climate change.		x

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Earth and Planetary Sciences	EART 116	Hydrology	Introduces processes involving water on and near Earth's surface, including meteorology, water properties, surface flows in streams and runoff, flood analysis, ground water, water budgets, sediment transport, erosion, and water quality. Addresses scientific and engineering issues associated with water resources.		x
Earth and Planetary Sciences	EART 124	Model Earth Climate	A hands-on course in climate modeling with emphasis on computer programming (Python) exercises. Topics include the physical laws governing climate, the hierarchy of model complexity, parameterizations, using models for prediction versus understanding, and application to past and future Earth climates.		x
Earth and Planetary Sciences	EART 191C	Practical Geophysics	Explores the scientific basis of current and pending climate change, and the state of climate policy issues in California, the nation, and the world. Work includes foundational lectures on both public policy and climate science; additional guest lectures from policy makers, politicians, and scientists. Students are introduced to and become familiar with addressing climate-change issues from both policy and scientific perspectives; research papers and public presentations are required activities. (Formerly course 191.) Directly addresses the intersection of climate change science and policy.		x
Ecology & Evolutionary Biology	BIOE 020C	Ecology & Evolution	Introduction to ecology and evolution covering principles of evolution at the molecular, organismal, and population levels. Evolutionary topics include genetic and phenotypic variation, natural selection, adaptation, speciation, and macroevolution. Also covers behavioral, population, and community ecology including applied ecological issues. Integral to this class is the idea of regulation as it pertains to population growth. This introduces a human element and implies a balance of various economic and social aspects.		x
Ecology & Evolutionary Biology	BIOE 107	Ecology	Focuses on physiological, behavioral, and population ecology, and on linking ecological processes to evolution. It includes basic principles, experimental approaches, concepts of modeling, and applications to ecological problems. Major concepts in population and evolutionary ecology. Theoretical, experimental, and field studies pertaining to population growth and regulation, competition, predation, diversity, adaptation and life history strategies. Integral to this class is the idea of regulation as it pertains to population growth. This introduces a human element and implies a balance of various economic and social aspects.		x
Ecology & Evolutionary Biology	BIOE 108	Marine Ecology	Paradigms and designs in marine ecology. A review of the paradigms that have shaped our understanding of marine ecology; analysis and discussion of experiments with these paradigms. Examines human impacts on marine ecosystems		x
Ecology & Evolutionary Biology	BIOE 109	Evolution	An examination of the history and mechanisms of evolutionary change. Topics include molecular evolution, natural and sexual selection, adaptation, speciation, biogeography, and macroevolution.		x
Ecology & Evolutionary Biology	BIOE 118	Plants and Society	Introduces plant biology as it affects human society. Topics include the origins of agriculture, the morphology and chemistry of food plants, the material uses of plant products, the biology of medicinal plants, and plant diversity and bioprospecting. This course incorporates extensive material on the sustainable use of plants in both natural and managed systems, and the wise incorporation of biotechnology in food systems.		x
Ecology & Evolutionary Biology	BIOE 125	Ecosystems of Calif	A survey of the diversity, structure, and functioning of California's ecosystems through time and the ways they have influenced and responded to human activities and stewardship. Topics include: ecosystem drivers such as climate, soils, and land-use history; human and ecological prehistory; comparative marine, freshwater, and terrestrial ecosystem dynamics; and managed ecosystems such as range, fisheries, and agriculture.		x
Ecology & Evolutionary Biology	BIOE 145	Plant Ecology	An exploration of the ecology of plant form, function, distribution, abundance, and diversity. Topics include plant adaptations to environmental conditions, life history variation, competition, reproductive ecology, herbivory, and patterns of diversity. This course includes extensive discussion of conservation, ecological restoration, agroecology, and climate change.		x

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Ecology & Evolutionary Biology	BIOE 149	Disease Ecology	Focuses on the ecological and evolutionary processes that drive the transmission of pathogens between hosts; the impact of disease on host populations; and what causes the emergence of an infectious disease. Includes theoretical framework, description of field techniques, and discussion of wildlife and human diseases including malaria, West Nile virus, Lyme disease, HIV, avian influenza (bird flu), Chikungunya, tuberculosis, chytridiomycosis, and Ebola.	x	
Ecology & Evolutionary Biology	BIOE 155	Freshwater Ecology	Provides an overview of the physical, chemical, and biological processes that characterize inland waters such as lakes, streams, rivers, and wetlands. Also addresses relationships between humans and freshwater, and discusses these challenges in conservation.	x	
Ecology & Evolutionary Biology	BIOE 155L-01	Freshwtr Eco Lab	Hands-on exploration of the concepts and techniques of plant ecology. A combination of lab, greenhouse, and field-based exercises (irrespective of weather conditions). Statistical analysis and scientific writing. This course trains students in field biology techniques with an explicit intent to prepare them for careers in conservation and restoration and resource management.	x	
Ecology & Evolutionary Biology	BIOE 163	Reef/Mangrv/Seagrass	Integrated treatment of coral reefs, sea grasses, and mangroves emphasizing interactions and processes through time. Major topics: biological and geological history, biogeography, evolution and ecology of dominant organisms, biodiversity, community and ecosystem ecology, geology, biogeochemistry, global change, human impacts. Examines human impacts on marine ecosystems	x	
Ecology & Evolutionary Biology	BIOE 163L-01	Reef/Mangr Eco Lab	An interdisciplinary laboratory exploration of the anatomy, morphology, adaptations, diversity, evolution, and ecology of corals, mangroves, and seagrasses and of their physical, chemical, and geological environments.	x	
Ecology & Evolutionary Biology	BIOE 165	Marine Conserv Bio	Course is a review of human impacts on marine ecosystems and potential solutions. Includes solutiondriven discussion sections, presentations from conservation leaders in the government and nongovernment sector, and student projects in marine conservation. Course focuses on human impacts on marine ecosystems and solutions.	x	
Microbiology & Env Toxicology	METX 125	Safe Science	Introduces research safety principles and practices. Instructors and guest experts discuss research hazards and control measures. Students explore the safe use of research methods and materials via hands-on and outside exercises. Issues include compliance with hazardous waste and other environmental safety regulations.		x
Ocean Sciences	OCEA 001	The Oceans	An interdisciplinary introduction to oceanography focusing on biological, chemical, geological, and physical processes. Covers topics such as origins and structure of planet Earth and its oceans, co-evolution of Earth and life, plate tectonics, liquid water and the hydrologic and hydrothermal cycles, salinity and elemental cycles, ocean circulation, primary production and nutrient cycles, plankton and nekton, life on the sea floor, near shore and estuarine communities, future environmental problems our oceans face. The primary focus is on providing skills and/or knowledge directly connected to understanding or solving one or more major sustainability challenges.		x
Ocean Sciences	OCEA 080A	Life In The Sea	A course provides knowledge and understanding of the problem or tools for solving it, for example climate change science		x
Ocean Sciences	OCEA 080B	Our Changing Planet	The ecology of plants and animals in oceans and coastal areas. Consideration of life in various marine habitats, including the open ocean, rocky shores, estuaries, and the sea. Includes field trips. The primary focus is on providing skills and/or knowledge directly connected to understanding or solving one or more major sustainability challenges. The course provides knowledge and understanding of the problem or tools for solving it, for example climate change science		x
Ocean Sciences	OCEA 090	ClimateFundamentals	Interdisciplinary scientific perspective on Earth system, focusing on human impacts on global environment. Introduces concepts of Earth system science and explores topics such as global warming, ozone depletion, pollution, deforestation, and future climate change. The primary focus is on providing skills and/or knowledge directly connected to understanding or solving one or more major sustainability challenges. A course provides knowledge and understanding of the problem or tools for solving it, for example climate change science.	x	

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Ocean Sciences	OCEA 101	Marine Environment	An introduction to the marine environment stressing the interaction of physical, chemical, geological, and biological factors in the ocean. Provides the oceanographic background needed for studies in marine biology. The primary focus is on providing skills and/or knowledge directly connected to understanding or solving one or more major sustainability challenges. A course provides knowledge and understanding of the problem or tools for solving it, for example climate change science.		x
Ocean Sciences	OCEA 118	Marine Microb Ecol	The study of marine bacteria and their role in the marine ecosystem. Emphasis on biochemistry and physiology in relation to metabolic activity and elemental cycles, trophic interactions, and flows of material and energy in marine food webs. Examines human impacts. The primary focus is on providing skills and/or knowledge directly connected to understanding or solving one or more major sustainability challenges. A course provides knowledge and understanding of the problem or tools for solving it, for example climate change science.		x
Ocean Sciences	OCEA 130	Biol Oceanography	Biological description of the sea, with emphasis on processes and patterns. Topics include microbial dynamics, phytoplankton and zooplankton production, and ecology of marine food webs. Emphasis placed on understanding how physical, chemical, and geological environment shapes biology and ecology of oceans, including such topics as harmful algal blooms, global estimates of productivity, and effects of humans on environment. The primary focus is on providing skills and/or knowledge directly connected to understanding or solving one or more major sustainability challenges. A course provides knowledge and understanding of the problem or tools for solving it, for example climate change science.		x
Anthropology	ANTH 001	Intro Biolog Anth	Study of evolution illustrated by Pleistocene hominid fossils and variation in living human groups. Behavior and evolution of primates examined as they contribute to the understanding of human evolution.		x
Anthropology	ANTH 110A	Contemporary Issues	How can cultural anthropology help us to understand current events unfolding locally, nationally, and globally? Students learn how to "read" newspapers differently—that is, through the lens of cultural analysis. The world of everyday politics and society, as it unfolds in debates happening right now, forms the topical substance of the course. This course examines ways anthropologists and informed citizens find, evaluate, analyze, synthesize and represent contemporary issues. Course has one module that examines contemporary cultural and social environmental issues.		x
Anthropology	ANTH 110C	California Pasts	This course is structured around four critical moments—missionization, Rancho-Era, Gold Rush, and World War II—through the eyes of the ethnic and racial minorities who experienced them. Special attention is given to oral, archival, and archaeological sources which reveal California's multiethnic pasts.		x
Anthropology	ANTH 110E	Global Enviro Change	Introduces anthropological and historical approaches to environmental change and globalization. Key themes include: capitalism and industrialization, environmental politics, global culture, and relations between humans and other species. Reviews how culture and ecology are deeply entangled and how patterns of human movement and cultural connection reshape the possibility for life on local-to-global scales. Explores environmental and sustainability issues including land use, climate change, extinction and waste.	x	
Anthropology	ANTH 110I	SustainabilitySocJust	Brings together diverse forms of cultural knowledge and complexities of everyday life to illuminate longstanding concerns of sustainability and justice. Investigates multiple theories of sustainable development as well as tools, techniques, and contexts for ecological integrity, economic security, empowerment, responsibility and social well-being characteristic of sustainable communities.	x	
Anthropology	ANTH 110S	Evolution/Democracy	Brings together diverse forms of cultural knowledge and complexities of everyday life to illuminate longstanding concerns of sustainability and justice. Investigates multiple theories of sustainable development as well as tools, techniques, and contexts for ecological integrity, economic security, empowerment, responsibility and social well-being characteristic of sustainable communities.		x
Anthropology	ANTH 110W	Land & Waterscapes	Establishes anthropological interconnections of emergent worlds where environmental matters, social justice, and human survival interrelate. Focuses on anti-essential nature and waterscape ethnographies in which different pluricultures revalidate local understandings as ways of contesting increasing forms of land and water privatization.	x	
Anthropology	ANTH 130C	Poli&Cult In China	Joins substantive information "about" Chinese society and culture with debates in social theory and rethinks conventional wisdom about colonialism and modernity. Topics include representations of "Chineseness," class revolution, Chinese diaspora, popular culture, family and kinship, nationalism, history/memory, race and gender.		x
Anthropology	ANTH 130L	Latin Amer Ethnogra	A broad introduction to issues and areas of cultural production and transformation in the Caribbean, Mexico, and Central and South America. Colonial, neocolonial, class, ethnic, gender, religious, ecological, and political relations intersect as represented in ethnographies and film.		x
Anthropology	ANTH 130O	Native Feminisms	Covers Native feminisms, gender, settler colonialism, and ethnography. Students read ethnographies that intervene in Native feminisms and its possibilities. Focuses on ethnographies in the U.S., including Native men and masculinities in Hawaii.		x

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Anthropology	ANTH 146	Anth & Environment	Examines recent approaches to study of nature and the environment. Considers historical relationship between nature, science, and colonial expansion as well as key issues of contemporary environmental concern: conservation, environmental justice, and social movements. This course examines anthropological perspectives of the relationship between societies and their environments. An organizing theme of the course examines how writing about landscapes, plants and animals can be combined with quantitative models which are increasingly important in environmental science and policy, from climate change models to water flow models used by dam managers	x	
Anthropology	ANTH 147	Anthropocene	Looks at how humans have lived with their environments in other times and places; the long-distance transfers of humans and other animals, as well as plants and microorganisms; and how we can best live in the Anthropocene.	x	
Anthropology	ANTH 158	Feminist Ethnography	Considers the relationship between anthropology and feminism. Provides historical perspective on gender inequalities in the discipline as well as the emergence of feminist anthropology. Students read and engage with examples of feminist ethnography from a variety of regions and subfields.		x
Anthropology	ANTH 176D	ColonialEncountrsAmer	Uses archaeological case studies to explore processes of cultural confrontation, resistance, and transformation among Native American groups in the wake of European colonial expansion in the Western Hemisphere during the late 15th through mid-19th centuries.		x
Anthropology	ANTH 194J	Hist Forests,Wild	"Wild Nature" has a history. This class offers tools for understanding the social and natural construction of wild nature. We will learn to "read" rural landscapes—ethnographically, biologically, historically, creatively, and politically.		x
Anthropology	ANTH 194X	Wom/Poli:3d Wor Per	Focuses cross-culturally on the status of women in the Third World and their formal and informal participation in politics. Also discussed are organized efforts, through participation in both national and autonomous movements, for women's rights.		x
Anthropology	ANTH 196J	Imagining America	Explores sites of heritage and the politics of cultural memory in the American context. Focuses on public representation and interpretation at places where multiple views of history come into conflict.		x
Anthropology	ANTH 196K	Settler Colonialism	Settler colonialism is an all-encompassing, land-centered project that revolves around the elimination of the Native. This course revolves around a series of ethnographies and histories about settler colonialism. Students discuss how differing approaches to weather and exposure generate different approaches to culture, science, and politics; identify key moments in cultural anthropology's engagement with environmental and climactic questions; and delineate new areas of research.		x
Anthropology	ANTH 196W	Weather & Exposure			x
Economics	ECON 001	Intro Microeconomic	For all interested students as well as prospective economics majors. Examines how markets allocate resources in different kinds of economies. Topics include competitive markets, monopoly, financial markets, income distribution, market failures, the environment, and the role of government.	x	
Economics	ECON 002	Intro Macroeconomic	For all interested students and prospective economics majors. Examines how the overall level of national economic activity is determined, including output, employment, and inflation. Explores the roles of monetary and fiscal policies in stabilizing the economy and promoting growth, with a focus on contemporary policy debates.	x	
Economics	ECON 020	Econ for Non-Majors	Designed for non-majors seeking a basic introduction to core economic concepts relevant for social and public policy decision making. Fundamental economic concepts illustrated through their application to a variety of public policy questions.		x
Economics	ECON 100A	Intermed Microecon	Covers major theoretical issues arising in the study of resource allocation, the function of markets, consumer behavior, and the determination of price, output, and profits in competitive, monopolistic, and oligopolistic market structures. Also considers issues of welfare and public policy.	x	
Economics	ECON 100B	Intermed Macroecon	Covers major theoretical issues arising in the study of income, employment, interest rates, and the price level. Examines the role of monetary and fiscal policy in economic stabilization. Also considers these issues as they relate to the global economy.	x	
Economics	ECON 104	Numbr Truth: Statis	Applies the techniques of econometrics and experimental economics to the understanding of economics. A "hands-on" course where real economic data is used in an interactive way so that students develop the art of empirical analysis.	x	
Economics	ECON 115	Intr Management Sci	The scientific study of management decision making. Topics include linear, integer, and non-linear programming. Special emphasis on a wide variety of practical applications, including production scheduling, optimal transportation assignments, and optimal inventory policy.		x
Economics	ECON 116	AdvTopicsAcctgEthic	Covers topics in accounting and ethics. Builds a strong accounting foundation; develops critical thinking skills; and explores ethical standards in accounting, forensic accounting, international financial recording standards, and accounting for sustainability.	x	
Economics	ECON 120	DevelopmentEconomics	Studies the microeconomics of development. Topics may include health and nutrition, education, intra-household economics, formal and informal risk-coping mechanisms, savings, credit, agriculture, institutions, and service delivery and corruption.	x	

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Economics	ECON 121	Economic Growth	Studies economic growth from theoretical, empirical, and historical perspectives. Topics include: theories of economic growth and their empirical importance, technology and innovation, social institutions and growth, and competing explanations of the global distribution of wealth.	x	
Economics	ECON 125	Econ History Of US	The development of the American economy from colonial times to the present, with emphasis on the interaction between institutional structure and economic development. Topics include the economics of slavery, the rise of big business, and the causes of the Great Depression.		x
Economics	ECON 126	Why Succeed/Fail	Examines the emergence of capitalism and the world's first industrial revolution in Britain, continental Europe industrialization, Soviet economic growth and collapse, and the Japanese economic miracle. Asks about the historical sources of long-run economic development, stagnation, and decline. Draws lessons for current debates over free market versus more interventionist policies, economic reform in the former Communist nations, and economic rivalry between the U.S. and Japan.		x
Economics	ECON 128	Povrty/Public Policy	Studies the causes, consequences, and governmental response to urban poverty in the U.S. Topics include how public policy, the macroeconomy, race, gender, discrimination, marriage, fertility, child support, and crime affect and are affected by urban poverty.	x	
Economics	ECON 131	Internatnl Markets	International financial management analyzes the key financial markets and instruments that facilitate trade and investment activity on a global scale. Inquiry spans two areas: (1) economic determinants of prices in international financial markets; and (2) decisions facing private individuals and enterprises, with topics including capital financing, investment, and risk management.		x
Economics	ECON 140	International Trade	The theory of international production and trade. The effects of tariffs and quantitative trade restrictions; the nature of economic integration; multinational firms; effects of trade and protection on economic stability and welfare.		x
Economics	ECON 141	Internatl Finance	Topics include national accounting, balance of payments theories, parity conditions in international finance, exchange rate determination models, forward-looking financial instruments, international monetary systems, country interdependence and exchange rate regimes, international monetary integration, and Eurocurrency market.		x
Economics	ECON 143	InternatnlEconPolicy	Covers selected issues concerning the international economy. Topics include: U.S. competitiveness; U.S. trade policy; immigration; trade and the environment; developing countries; foreign investment; foreign exchange markets; and international economic institutions.		x
Economics	ECON 149	East&Southeast Asia	Examines the pattern of international trade, investment, and industrial structure in Asia. Examines competing explanations of rapid growth of Japan, Korea, and Taiwan; presents an overview of economic developments in China, Hong Kong, and Taiwan. Concludes with an analysis of high technology trade and multinationals in Asia in 2000 and beyond.		x
Economics	ECON 150	Public Finance	Economics of taxation, including incidence, equity issues, efficiency, and supply side effects. Close attention to taxes in the U.S. system and tax-reform issues.		x
Economics	ECON 169	Econ Analys of Law	The application of the theories and methods of neoclassical economics to the central institutions of the legal system, including the common law doctrines of negligence, contract, and property; bankruptcy and corporate law; and civil, criminal, and administrative procedure.		x
Economics	ECON 170	Environmental Econ	Economic analysis of environmental issues. Environmental pollution and deterioration as social costs. Economic policy and institutions for environmental control. Influences of technology, economic growth, and population growth on environmental quality.	x	
Economics	ECON 171	Nat Resource Econ	The application of economic analysis to the use of renewable and nonrenewable natural resources. Efficiency and distributional aspects of natural resource scarcity. Measurement of the benefits and costs. Optimal extraction or use policies. Common property and externalities. Government policies.	x	
Economics	ECON 180	Labor	A study of topics in modern labor economics with an emphasis on data analysis and econometrics. Topics include labor supply, labor demand, human capital, minimum wage, employment and wage discrimination, immigration, self-employment, earned income tax credit, and unemployment insurance.		x
Education	EDUC 104	Ethical Issue Teach	Emphasizes a philosophical exploration of the moral complexities of teaching. Students read theoretical investigations of these complexities, and examine case studies that pose difficult moral questions and illuminate the dilemmas of everyday life in classrooms. Course is grounded in a dialogical approach to learning.		x
Education	EDUC 128	Immigrants And Educ	Research and theory on the education of immigrant students. Major topics include the Americanization movement and America's changing demography, identity maintenance and change, home-school relations, and educators' roles in meeting the needs of culturally and linguistically diverse student populations.		x

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Education	EDUC 170	School/Asian Imm	Focuses on an historical and contemporary study of education in Japan, China, Korea, Hong Kong, and Taiwan, and the adaptation to schooling in the U.S. of immigrant families from those cultures. Topics include the effects on schooling of language acquisition, religion and cultural practices, family patterns, socioeconomic status, career aspirations, and parental expectations.		x
Education	EDUC 171	Asian Schl & Immigra	Historical and contemporary study of education in India, Vietnam, Cambodia, Laos, and the Philippines, and the adaptation to schooling in the U.S. of immigrant families. Topics include: effects of language acquisition; religion and cultural practices; family patterns; socioeconomic status; career aspirations; and parental expectations.		x
Education	EDUC 173	Critical Pedagogy	Philosophical and pedagogical exploration of relationships among oppression, power, society, education, and change. Examines how history, power, economics, and discrimination shape societal perspectives and schooling practices, and considers ways to transform education.		x
Education	EDUC 181	Race, Class, Cultur	Examines the schooling experience and educational attainment of racial/ethnic minority students in the U.S. Focuses primarily on domestic minorities. Addresses issues of variability between and within minority groups and the role of cultural, structural, and psychological factors in the educational attainment of these students.		x
Environmental Studies	#MULTIVALUE	Ecol & Soc Writ Lab	Required writing lab accompanying course 100. Students are introduced to writing in different styles and for different audiences typical of the ecosystem-society interface. Course 100 writing assignments are developed, written, and revised in conjunction with the lab.		x
Environmental Studies	ENVS 023	Physcl & Chem Envir	Provides an overview of the physical and chemical environment of planet Earth. Fundamental chemistry and physics is introduced in the process of learning about Earth in a holistic way. The influence of human societies on the global environment is one focus of discussion. Earth's many "spheres" are explored first: the lithosphere; the atmosphere; the hydrosphere, and the ecosphere. Then global cycles of carbon, nitrogen, and several other elements are studied in the context of basic sciences and societal issues. This course covers a wide range of topics regarding the physical and chemical environment, with an exploration of how human society has affected these systems. The course also explores how to adapt to, reduce, or reverse the negative impacts humans have had on the environment. Some examples of these effects include water pollution, acid rain, and climate change.		x
Environmental Studies	ENVS 024	General Ecology	Covers principles of ecology including limits to species abundances, evolutionary ecology, population dynamics, community interactions and patterns, and ecosystem patterns and dynamics.		x
Environmental Studies	ENVS 025	Enviro Policy/Econ	Introduces the policy and economic dimensions of some pressing environmental challenges. Uses examples from population, water, climate change, and other topics to examine the economic underpinnings of environmental problems, the process of environmental policy-making, and the trade-offs in different policy solutions. This course focuses explicitly on the relationship between issues of environmental and economic sustainability, such as population, water and transportation. Through case studies, the course examines the role that policy has played in providing solutions to issues of environmental, social, and economic sustainability.	x	
Environmental Studies	ENVS 080B	Forecast Globl Warm	A broad overview of both ecological and social aspects related to tropical rain forests drawing on case studies worldwide. Topics include the biology and distribution of rain forests, causes and effects of their destruction, and management options to facilitate their conservation. This course focuses on climate change, examining both the science of what climate change is and how it is affected by human activity, as well as policies about climate throughout the world. In addition to the processes of climate change, the course discusses the effects of climate change and how they impact human society, such as hurricanes, fires, agriculture, and food security. A significant portion of the course is about policy and the politics of environmental movements and climate change.	x	
Environmental Studies	ENVS 100	Ecology and Society	Introduction to environmental issues in an interdisciplinary matrix. Focuses on three issues at the intersection of ecological questions and social institutions: agroecology and sustainable agriculture; population growth, economic growth, and environmental degradation; and biodiversity conservation and land management. Reviews the important roles of disciplinary abstraction and of the application of that knowledge to context-dependent explanations of environmental problems. This course explores interdisciplinary approaches to analyzing and addressing environmental problems, including natural science (ecology), social science (political science and policy scholarship), and legal scholarship. It covers a range of research themes, faculty research interests, and courses in the department, some of which relate to sustainability issues. Two of three required texts for the course explore the relationships between people and the natural environment.	x	
Environmental Studies	ENVS 110	Inst & Econ Sys	Debate about environmental policy is often couched in economic terms. Environmental issues have become questions of political economy, as they influence international and domestic policy and reflect on the functioning of the market system. Examines the assumptions and implications of alternative approaches to political economy, as these pertain to questions of environmental policy and political institutions.	x	

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Environmental Studies	ENVS 115A	GIS & Envntml Appc	Introduction to geographic information systems (GIS) as the technology of processing spatial data, including input, storage and retrieval; manipulation and analysis; reporting and interpretation. Emphasizes GIS as a decision support system for environmental and social problem solving, using basic model building, experimental design, and database management. The course emphasizes the role of GIS in environmental and social problem-solving and information management of sustainability issues	x	
Environmental Studies	ENVS 115B	Intermediate GIS	Evaluates advanced technologies of processing spatial data, spatial theory, and application to unique geographic problems, data manipulation and analysis, and reporting and interpretation. Emphasizes GIS as a decision-support system for environmental and social problem solving, using basic model building, experimental design, and database management.	x	
Environmental Studies	ENVS 120	Conservation Biology	Introduces biological and anthropogenic influences on the diversity and scarcity of organisms. Explores the mathematical models and research tools that provide the foundation for many conservation and management decisions regarding endangered and/or declining species. Topics explored in the context of various examples of conservation decision-making in the real world.	x	
Environmental Studies	ENVS 122	Tropical Ecology	An introduction to the ecological processes, principles, and players of tropical ecosystems, and to conservation issues facing tropical American forests. We will look at how tropical ecosystems work, roles of humans in shaping them, and current conservation opportunities and dilemmas.	x	
Environmental Studies	ENVS 125	Ecosystems of Calif	A survey of the diversity, structure, and functioning of California's ecosystems through time and the ways they have influenced and responded to human activities and stewardship. Topics include: ecosystem drivers such as climate, soils, and land-use history; human and ecological prehistory; comparative marine, freshwater, and terrestrial ecosystem dynamics; and managed ecosystems such as range, fisheries, and agriculture.	x	
Environmental Studies	ENVS 129	Integ Pest Managem	Provides an extensive coverage of applied ecology, pest control technology, and the social, political, and economic factors regulating the ideologies and practice of pest management. Topics include agroecosystem design and population regulation of insects, weeds, vertebrates, and pathogens; field monitoring, chemical and biological control; economic thresholds, decision-making processes, and the role of agribusiness. Focus on alternatives to pesticides for sustainable agriculture	x	
Environmental Studies	ENVS 129L-01	Int Pest Mgmt Lab	Field trips and field exercises that demonstrate the practice of integrated pest management techniques. Individual and group projects provide hands-on experience with field sampling techniques, pest identification, recognition of biological control agents, experimental design, interview techniques, data interpretation and field report writing.	x	
Environmental Studies	ENVS 130A	Agroeco & Sust Ag	Ecological concepts and principles are applied to the design and management of sustainable agroecosystems. Alternatives for agriculture are discussed in terms of ecosystem structure and function.	x	
Environmental Studies	ENVS 130B	Sustainable Agricul	Agricultural sustainability is examined as a complex set of interactions between ecological, social, and economic factors. Drawing case studies from U.S. agriculture, course examines the social justice implications of historical and current agri-food system dynamics.	x	
Environmental Studies	ENVS 140	Natl Environ Policy	An overview of all major federal environmental policy domains. Analyzes political, social, economic, and other forces influencing federal (and some state) public policy responses to land use, natural resources, pollution, and conservation dilemmas.	x	
Environmental Studies	ENVS 141	Ecological Econ	Application of economic analysis to natural resource policy and management. Topics include welfare economics, property rights and externalities, natural resource valuation, exhaustible and renewable resources, and sustainable development.	x	
Environmental Studies	ENVS 142	Energy Politics	Explores the renewable and fossil fuel energy resources, with an emphasis on interactions with food and water systems. Explores opportunities for improving efficiency, reducing pollution, and increasing access through technology advances, policy, and consumer decisions.	x	
Environmental Studies	ENVS 143	Sustain Development	Considers whether and how global poverty can be alleviated without irreparably damaging the environment. Examines interactions among population, economic growth, poverty, global consumption ethos, property rights systems, global economy, state capacity, and environmental damage. Scrutinizes impact of various developmental strategies adopted during the past 50 years on poverty, governance, and the environment.	x	
Environmental Studies	ENVS 147	Env Ineq/Env Justice	Reviews research on race, class, and differential exposure to environmental hazards. Shows how environmental inequality has, from the start, been an essential feature of modernity. Situates the environmental-justice movement in the history of American environmentalism.	x	
Environmental Studies	ENVS 149	Envr Law & Policy	Surveys a wide range of topics in environmental law, including state and federal jurisdiction, administrative law, separation of powers, state and local land use regulation, public land and resource management, pollution control, and private rights and remedies. Students read a large number of judicial cases and other legal documents.	x	

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Environmental Studies	ENVS 150	Coastal/Marine Policy	Examines key legal, policy, and institutional frameworks that govern the use and stewardship of coastal and marine areas and resources. Primary focus is on the U. S., although attention is also devoted to international laws and institutions.	x	
Environmental Studies	ENVS 151	Environm Assessment	Introduction to California land use planning law and practice, and the theory, practice, and public policy aspects of environmental assessment, using the California Environmental Quality Act (CEQA) as a model. The National Environmental Policy Act (NEPA) and other environmental and planning legislation also considered. Covers elements of State law and regulations, environmental impact assessment requirements, and practical procedures for preparing and evaluating CEQA documents, with case studies that exemplify legal, regulatory and public policy and practice aspects of the assessment process.	x	
Environmental Studies	ENVS 154	Amazon Cultur/Consrv	Overview of human societies in the Amazon from both a historical and contemporary perspective. Topics include indigenous resource management, deforestation, conservation politics, culture, and economic change.	x	
Environmental Studies	ENVS 158	Pol Ecol & Socl Chg	The object is to provide a rigorous grounding in the method of political ecology and to demonstrate how this approach has been used in environmental analysis and problem solving by environmental social movements.	x	
Environmental Studies	ENVS 160	Restoration Ecology	A multidisciplinary overview of restoring degraded ecosystems. Among the topics addressed are linkages between ecological principles and restoration, planning and implementing restoration projects, evaluating restoration success, and case studies of restoration of specific ecosystem types. Participation in one work day is required.		x
Environmental Studies	ENVS 161A	Soil/Plant Nutriton	Provides fundamentals of soils and plant nutrition. The physical, biological, and chemical components of soils are investigated in relation to their ecological functions, fertility to plants, and sustainable management.		x
Environmental Studies	ENVS 161L-01	Soil/Plnt Nutri Lab	Practice analytical techniques for evaluation of physical, chemical, and biological properties of soils. Grow plants to observe some typical symptoms of plant nutrient deficiencies.		x
Environmental Studies	ENVS 163	Plant Disease Ecol	Introduction to ecological roles of plant diseases, including their importance in regulating plant population dynamics, community diversity, and system function in natural ecosystems; considerations of plant diseases in conservation ecology, and ecological approaches to managing diseases in agroecosystems.		x
Environmental Studies	ENVS 163L-01	Plant Disease Lab	Introduction to techniques for studying plant diseases, including detection, isolation, cultivation, and identification of important groups of plant pathogens, completing Koch's postulates; diseases assessment techniques; experimental manipulation of plant-pathogen systems; and basic epidemiological tools.		x
Environmental Studies	ENVS 165	Fresh Water Policy	Concepts, vocabulary, and skills necessary to the analysis of freshwater issues are introduced from hydrology, ecology, law, economics, engineering, and other disciplines. The skills are then applied to case studies involving local, state, and international freshwater conflicts and crises.	x	
Environmental Studies	ENVS 167	Freshwater/Wetland	Field and lecture course teaches the physical and biological patterns and processes in freshwater and wetland systems, primarily focusing on Central Coast systems from headwaters to coastal marshes.	x	
Environmental Studies	ENVS 167L-01	Freshwater Eco Lab	Provides basic skills to assess chemical, biological, and physical characteristics of freshwater creeks, rivers, and wetlands. These skills are needed in environmental consulting, municipal agencies engaging in water management or impacts on water, and regulatory agencies. Relies on methods in geomorphology, biogeochemistry, hydrology, and field biology.	x	
Environmental Studies	ENVS 168	Biogeo/Global Environ	Studies biogeochemical cycles and related environmental issues such as global environmental change, eutrophication, ecosystem degradation, and agricultural sustainability. Discusses transformation and movement of major nutrient elements in context of watershed ecology and societal implications.	x	
Environmental Studies	ENVS 169	Climate Change Eco	Advanced topics in atmospheric science and ecological theory. Topics include impacts on biodiversity, carbon sequestration, sustainable agriculture, and innovative solutions.	x	
Environmental Studies	ENVS 170	Agri & Climate Chng	Agriculture contributes to and is affected by climate change. Through lectures and field trips, this course covers the impacts on crops and livestock; climate adaptation strategies in the United States and internationally; and agricultural policy responses to climate change.	x	
Environmental Studies	ENVS 172	EnvRisks/PubPolicy	Introduces students to the dilemmas in public policy relating to the management of environmental risks, and discusses their underlying philosophical underpinnings. Explores emergent alternatives, such as the precautionary principle and alternatives assessment, and examines the relationship between experts and the lay public in public controversies.	x	
Environmental Studies	ENVS 173	World Envir History	Introduces students to some of the central issues in world environmental history such as: human attitudes toward the natural environment; the role of human societies, their institutions and technologies in changing the face of the earth; and the historical impact of environmental and developmental policies on race, class, and gender differences in a variety of human communities across the world.	x	

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Environmental Studies	ENVS 176	Disasters	Introduces students to the research on the relationship between vulnerability and disasters, and on complex systems including hazardous technologies. Explores perspectives on disasters in the literature on political ecology. Also examines relevant work of organizational sociology, and related fields including normal accident and high reliability organizational theories.	x	
Environmental Studies	ENVS 177	TeachEnvironEduc	Designed for environmental studies majors interested in teaching environmental education in the K-12 school system. Students investigate incorporation of environmental education in the classroom; design an environmental education school project; and are placed in a school where they observe environmental education in practice	x	
Environmental Studies	ENVS 179	Env Interpretation	A field course in theory and practice of environmental interpretation in parks, museums, and school programs with special attention to local natural history and children. Students work to define their own interpretive philosophy, skills, and style. A background in natural history and/or experience working with children is recommended.	x	
Latin American and Latino Studies	LALS 001	Intro Latin Amer St	Interdisciplinary introduction presenting the elements for studying Latin American politics and economics, culture, and society as well as the dynamics of Latino communities in the U.S. Special attention paid to issues of colonialism, human rights, U.S. foreign policy toward Latin America, racism, capitalist globalization, migration, to emerging political and economic shifts in the Americas, and to new local and transnational efforts for social change on the part of Latin America's peoples and Latinos in the U.S.		x
Latin American and Latino Studies	LALS 005	HumRights/SocJust	Introduces human rights as a way to study social justice. Students gain an understanding of interdisciplinary approaches to human rights as a theory, legally, and as a basis for global social movements.		x
Latin American and Latino Studies	LALS 030	Social Movements	Examines contemporary social movements in Latin America, especially those that arose from popular response to different forms of social exclusion and to authoritarian political systems. Explores a variety of popular movements, their successes and setbacks, including rural and urban uprisings, native nations and their descendants, women, labor, human rights, and transnational movements		x
Latin American and Latino Studies	LALS 032	CitizenDenizenAlien	Explores theories and practices of citizenship with a focus on how institutions, such as the immigration apparatus, school, and prison, produce and shape inclusion, marginalization, exclusion, and mobility and how social actors envision and enact home and belonging.		x
Latin American and Latino Studies	LALS 080F	Latinos In The U.S.	Analyzes the Latino experience in the U.S. with a special focus on strategies for economic and social empowerment. Stresses the multiplicity of the U.S. Latino community, drawing comparative lessons from Cuban-American, Puerto Rican, Chicano/Mexicano, and Central American patterns of economic participation and political mobilization.		x
Latin American and Latino Studies	LALS 080X	Central Am Peoples	Examines contemporary societies and peoples of Central America considering how, in recent decades, media, history, war, cultural production, and migration have shaped Guatemala, Honduras, El Salvador, Nicaragua, and Costa Rica both as individual nations and as a region.		x
Latin American and Latino Studies	LALS 090	Contemporary Brazil	Introduces issues affecting contemporary Brazilian society and culture, such as the legacy of slavery and persisting social, racial, and gender inequities. Analyses of how different representations of Brazil sustain distinctive national projects, which, in turn, attribute specific meanings to blackness, whiteness, masculinity, femininity, and upper- and lower-class identities.		x
Latin American and Latino Studies	LALS 100	Concepts/Theories LALS	Interdisciplinary exploration of transnational migrations; social inequalities; collective action and social movements; and cultural productions, products, or imaginaries. Examines how transnational migration and hemispheric integration are transforming Latin American studies and Chicana/o-Latina/o studies. Explores the influence of neoliberalism and globalization, especially the intersection of critical analysis and social-justice praxis. Completion of course 1 highly recommended.		x
Latin American and Latino Studies	LALS 100B	CulturalTheoryAmers	Focuses on transnational, regional, and local features of Latina/o and Latin American cultural production and artistic expression: how culture is shaped by historical, social, and political forces; how cultural and artistic practices shape the social world; and how culture is produced in an interconnected, postindustrial, and globalized economy.		x
Latin American and Latino Studies	LALS 115	Mexico-U.S. Migratn	Overview of Mexico-United States migration in historical and contemporary context. Focuses on Mexican experiences of racialization, deportability, second-class citizenship, and transnationalism—the cross-border networks, institutions, activities, loyalties, and identities by which Mexican migrants orchestrate their lives across international borders.		x
Latin American and Latino Studies	LALS 124	Brazilian Cinema	Surveys films by and/or about women from Brazil, drawing a picture of contemporary Brazilian cinema through the angle of gender in its articulation with sexuality, race, class, ethnicity, national identity, and other key concepts, while offering a visual and critical introduction to Brazilian culture.		x
Latin American and Latino Studies	LALS 152	Consumr Cultures	Examines the circuits of media, commodities, and migration connecting the Americas in an age of globalization. Issues of states, transnational markets, social relations, and cultural representations addressed. Relationship between consumption, nationalism, and globalization is considered critically.		x

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Latin American and Latino Studies	LALS 155	Youth Movements	Examines the histories, structures, and practices of Latin American and Latino youth movements. Analyzes the patterns, themes, and differences of social movements using primary documents. Addresses the dynamics of age, generation, race, ethnicity, and nation. Uses youth activism to explore questions relevant to the study of contemporary social movements in the Americas.		x
Latin American and Latino Studies	LALS 170	Indigenous Struggles	Focuses on the way Natives of First Peoples have interacted voluntarily and involuntarily with nonindigenous cultures. Examines their perspectives, thoughts, frustrations, and successes. Touches on land issues and examines the way current indigenous cultures of Latin America face and adapt to social change. Focuses mainly on the Andes, lowland Amazon, Mesoamerica, and other areas.		x
Latin American and Latino Studies	LALS 171	BrazilBlackWhite	Taught in Portuguese. Examines blackness and whiteness in Brazil through the lens of the intersectionality of race, gender, and class identities. Topics include: national narratives of racial democracy, racism, black activism, and the emerging studies of whiteness in Brazil.		x
Latin American and Latino Studies	LALS 172	VisualizingHumanRights	Explores how visual artists take up the subject of human rights in response to urgent challenges facing Latina/o and Latin American communities across the Americas. Examines the imprint of film and media arts reshaping human-rights discourse. Considers persistent themes in Latina/o representation, including colonialism and state terrorism; self-representation and the rights of collectives (racial, ethnic, and sexual groups); social and economic rights.		x
Latin American and Latino Studies	LALS 178	Gen,Trnsntlsm,Glbzn	Focuses on the impact of globalization and transnationalism on gender relations in the Americas. Examines gender and power in the context of neoliberalism, modernity, the nation, social movements, and activism. Explores local and transnational constructions of gender, and the intersection of gender with race, ethnicity, class, and sexuality.		x
Latin American and Latino Studies	LALS 194X	SocioEnviroConflict	Explores, in-depth, how local communities, transnational capital, and state participate in conflicts anchored in extractive sectors, for example, mining, agro-exports, and so on. Through digital-based, case-study research, students identify and explore the logics of action, strategic interests, and the rhetoric of the principal protagonists in socio-ecological conflicts.	x	
Politics	LGST 105C	Modern Pol Thought	Studies in 19th- and early 20th-century theory, centering on the themes of capitalism, labor, alienation, culture, freedom, and morality. Authors studied include J. S. Mill, Marx, Nietzsche, Foucault, Hegel, Fanon, and Weber.		x
Politics	LGST 110	Law & Social Issues	Examines current problems in law as it intersects with politics and society. Readings are drawn from legal and political philosophy, social science, and judicial opinions.		x
Politics	LGST 120B	Democ Amer Pol Dev	Examines the role of social forces in the development of the American democratic processes and in the changing relationship between citizen and state. Course materials address the ideas, the social tensions, and the economic pressures bearing on social movements, interest groups, and political parties.		x
Politics	LGST 132	Ca Water Law/Policy	Explores the rich history and fundamental legal concepts surrounding water in California. Students identify, evaluate, and debate some critical water policy questions faced by Californians today and in the future.		x
Politics	LGST 135	Native Peoples Law	Explores the legal relationship between native peoples and the state. Examines the development of that relationship and several of the key legal issues currently confronting native peoples as they attempt to redress the injustices of the past.		x
Politics	LGST 149	Envr Law & Policy	Surveys a wide range of topics in environmental law, including state and federal jurisdiction, administrative law, separation of powers, state and local land use regulation, public land and resource management, pollution control, and private rights and remedies. Students read a large number of judicial cases and other legal documents.	x	
Politics	LGST 156	Admin Law/Regulation	The rise of the regulatory state brings with it a host of questions regarding the exercise of state power and separation of powers. Takes up some of these questions; in particular, questions about administrative agencies and their relationship to the judiciary, the legislature and private individuals and groups.		x
Politics	POLI 060	ComparativePolitics	Introduces the study of politics through the analysis of national political systems within or across regions from the developing world to post-industrial nations. Typical topics include: authoritarian and democratic regimes; state institutions and capacity; parties and electoral systems; public policies; social movements; ethnic conflict; and globalization.		x
Politics	POLI 061	Politics of Soc Policy	Introduces social policy around the world. Some countries provide free and good-quality health and education, as well as a minimum income to all citizens. Others, instead, provide meager benefits to few citizens.	x	
Politics	POLI 070	Global Politics	Can common global interest prevail against particular sovereign desires? Surveys selected contemporary issues in global politics such as wars of intervention, ethnic conflict, globalization, global environmental protection, and some of the different ways in which they are understood and explained.	x	
Politics	POLI 105C	Modern Pol Thought	Studies in 19th- and early 20th-century theory, centering on the themes of capitalism, labor, alienation, culture, freedom, and morality.		x
Politics	POLI 110	Law & Social Issues	Examines current problems in law as it intersects with politics and society. Readings are drawn from legal and political philosophy, social science, and judicial opinions.		x

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Politics	POLI 120B	Democ Amer Pol Dev	Examines the role of social forces in the development of the American democratic processes and in the changing relationship between citizen and state. Course materials address the ideas, the social tensions, and the economic pressures bearing on social movements, interest groups, and political parties.		x
Politics	POLI 124	Econ Inequality Amer	Examines the sources and implications of economic inequality in the United States. Explores theories of social class and its intersections with race and gender inequalities. Focuses on the role of politics and public policies in diminishing and/or exacerbating income and wealth inequalities.		x
Politics	POLI 174	GlobPoliticalEcology	Explores the global dimensions of complex environmental issues such as climate change, biodiversity, deforestation, and fisheries: how they are produced, how they manifest, and how they are governed in response.	x	
Politics	POLI 176	Surveillance Society			x
Politics	POLI 185	Political Psychology			x
Politics	POLI 186	GlobalHealthPolitics	Examines the politics surrounding both global health problems and policy responses. Traces the evolving interrelationships between these problems and policies from colonial health to the impacts of austerity on postcolonial health systems to today's globally targeted responses.	x	
Politics	POLI 190W	Latin Amer Politics	Examines how Latin American governments function and what major challenges countries in the region are facing. Focuses on democracy, economic development, gender and indigenous politics, social policies, poverty, and inequality.		x
Psychology	PSYC 149	Community Psych	Introduces community psychology, a discipline that blends social psychology, sociology, and anthropology. Topics include levels of analysis, ecologies, prevention, intervention, feminisms, empowerment, sense of community, coalition building, and social justice and action.		x
Psychology	PSYC 159E	Peace Psychology	Is war inevitable? What is peace? Is it more than the absence of violence? Explore how psychology—the study of human behavior—can help to decrease violence and enhance cooperation at multiple levels including the personal, interpersonal, community, and international arenas. Satisfies the senior seminar requirement.	x	
Psychology	PSYC 159J	Soc Psych Soc Jus	Why do some situations seem fair and others unfair? Are all people concerned with justice or are some scoundrels? This course looks at the principles of distributive, procedural, and retributive justice and at real world applications of theories.	x	
Psychology	PSYC 159R	AchievementDisparity	In this interactive seminar, we draw on research and theories in social and cultural psychology to examine persisting disparities in education and achievement for varying social groups (e.g., race/ethnicity, gender, social class) and to identify intervention strategies for reducing these disparities.		x
Psychology	PSYC 159X	Social Activism	Covers social-psychological scholarship relevant to social justice activism that receives limited academic attention in conventional psychology. The seminar aims at understanding how knowledge gained in action-oriented research can be applied to social change.	x	
Social Sciences General	CMMU 030	NumbersSocialJustice	Relates simple lessons of quantitative thinking to topical materials that are accessible and relevant to working for justice and social change. Students learn practical techniques to distinguish credible statistical evidence from misleading statistical claims.		x
Social Sciences General	CMMU 101	Soc Mvmts/3rd Sectr	Engages with crosscutting ideas and concepts central to the major including constructions of community in social-change efforts and the institutionalization of social movements in third-sector organizations. Deepens students' understanding of the opportunities and obstacles embedded in various avenues of social action.		x
Social Sciences General	CMMU 132	Amer Cities Soc Chg	Examines the historical development of and contemporary conditions within U.S. cities by focusing on social and economic restructurings of cities, cultural and political transformations, and spatial reorganizations of the urban landscape. Goal is understanding the changing nature of urban experience.		x
Social Sciences General	CMMU 145	Global Capitalism	Provides an overview of the history of capitalism in order to understand current crises within the global political economy. Gives particular attention to the origin, character, and consequences of neoliberalism.		x
Social Sciences General	CMMU 160	Public Health	Examination of community activism to address health issues: examples are drawn from a range of concerns, e.g., environmental racism, prison conditions, feminist health matters, the AIDS epidemic, violence, and alcoholism. Special attention is given to the social frameworks of health and to the utilization of social and political strategies for improving community well-being.		x
Social Sciences General	CMMU 163	Healthcare Inequal	Examines system and non-system that is American health care with special attention to inequalities in access, financing, and quality of care. Covers concepts such as equality, fairness, and need as well as community organizing and community building for health.		x
Social Sciences General	CMMU 164	Health in Conflicts	Explores three case studies to address critical themes of healthcare inequalities in the context of conflict: the legal battle of Ecuadorians against Texaco/Chevron; the struggle of 'comfort women' during World War II; and chemical saturation in Iraq.		x
Social Sciences General	CMMU 186	FoodAgri/Soc	Examines the primary ways in which activists are attempting to resist, provide alternatives to, and/or transform aspects of the food system using social and environmental justice frameworks to evaluate such activism. Topics explored include organic farming, food charity, fair trade, relocalization, and farmworker organizing.	x	

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Sociology	SOCY 001	Intro Sociology	A systematic study of social groups ranging in size from small to social institutions to entire societies. Organized around the themes of social interaction, social inequality, and social change.	x	
Sociology	SOCY 010	Issues/Pblms In Am	Exploration of nature, structure, and functionings of American society. Explores the following: social institutions and economic structure; the successes, failures, and intractabilities of institutions; general and distinctive features of American society; specific problems such as race, sex, and other inequalities; urban-rural differences.		x
Sociology	SOCY 015	World Society	Introduction to comparative and historical sociology. Focuses on the global integration of human society. Examines social changes such as industrialization, globalization, colonial rule, and the rise of Islamic fundamentalism. Uses social theory (including ideas from Marx, Weber, and Adam Smith) to explore the making of institutions like the nation-state, the World Trade Organization, the World Bank, and the International Monetary Fund.		x
Sociology	SOCY 111	Family & Society	Focuses on the interaction between family and society by considering the historical and social influences on family life and by examining how the family unit affects the social world. Readings draw on theory, history, and ethnographic materials.	x	
Sociology	SOCY 128I	Race and Law	An introduction to comparative and historical analyses of the relation between race and law in the U.S. Emphasis on examinations of continuous colonial policies and structural mechanisms that help maintain and perpetuate racial inequality in law, criminal justice, and jury trials	x	
Sociology	SOCY 128M	IntlLaw/GlobJustice	Examines war crimes, crimes against humanity, and the evolution and role of the International Criminal Court (ICC). Examines the evolution of the concept of international law, the rationale for its birth and existence, roots of international conflicts and genocides, possible remedies available to victims, mechanisms for the creation and enforcement of international legal order, as well as the role of colonialism, migration, poverty, race/ethnic conflicts, gender, and international corporations in creating and maintaining conflicts and wars.	x	
Sociology	SOCY 145	Sociology/Masculinities	Examines conflicting views on the development and state of modern masculinity as adaptation, transitional phase, or pathology. Did men lose the "gender war"? Do boys need rescuing? What are common and divergent social experiences of men within race, class, gender, culture, era? An introductory sociology course recommended.	x	
Sociology	SOCY 148	Ed Inequality	Examines educational inequality in the United States, focusing on contemporary debates and issues, especially in the California context. Covers schooling from preschool to higher education, and examines educational inequality from a system, setting, and individual-level perspective.		x
Sociology	SOCY 152	Body and Society	Critically examines the place of the human body in contemporary society. Focuses on the social and cultural construction of bodies, including how they are gendered, racialized, sexualized, politicized, represented, colonized, contained, controlled, and inscribed. Discusses relationship between embodiment, lived experiences, and social action. Focuses on body politics in Western society and culture, especially the United States.		x
Sociology	SOCY 153	Sociol Of Emotions	Examines sociological approaches to the understanding of emotions and the application of these approaches to work, learning, interpersonal relationships, health and illness, sports, and other aspects of everyday life.		x
Sociology	SOCY 167	Devel & Underdevelp	Examines contemporary debates about development in the Third World: alternative meanings of development, recent work on the impact of colonial rule, how some economies have industrialized, ideas about agrarian change, and recent research on paths out of poverty.		x
Sociology	SOCY 169	Social Inequality	A survey of theories and systems of social stratification focusing on such phenomena as race, class, power, and prestige.		x
Sociology	SOCY 170	Ethnic & Stat Groups	Examines the enduring and changing status of ethnic and racialized minority groups in the United States, such as Latina/os, African Americans, Asian Americans, indigenous peoples within the U.S., as intersecting, historically situated, and dynamically produced categories of social identity and organization.		x
Sociology	SOCY 173X	Water & Sanitation	In the global North and South, inequalities in water and sanitation are issues of justice as much as income. One billion people worldwide lack safe water, 2.5 billion lack basic sanitation.		x
Sociology	SOCY 178	Social Problems	Views "problems" in society not as given but as social constructs. Examines the ways in which conditions in society become identified and defined as problems and consequences that follow from such a process.	x	
Sociology	SOCY 179	Nature,Poverty,Prog	Concerns about environmental change, including global warming, threats to the ozone layer, and industrial pollution, raise questions about Third World development. Simple views of the relation between society and nature, such as blaming population growth, industrialization, or poor people, seem to preclude higher living standards. Uses debates and case studies to explore more subtle and optimistic views of social-natural relations.	x	

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Sociology	SOCY 185	Environ Inequality	Modern society not only assaults nature, it does so in ways that reproduce existing social inequalities. This course reviews three types of contemporary environmental inequality (environmental racism, displacement, and privilege), and the processes that produced them, with a focus on industrialization, urbanization, and the rise of capitalism in Europe and the United States.	x	
Film and Digital Media	FILM 226	Queer/Global Film	Examines queer subjectivities, practices, and theories in relation to globalization, transnationalism, and postcoloniality, focusing on film/media produced outside the United States. The course addresses representation and also uses queer theoretical work to engage wider contexts of film/media production, distribution, and exhibition.		x
History of Art & Visual Culture	HAVC 241	Decolonizing Nature	Considers how visual culture intersects with environment. Considers how, in the age of neoliberal globalization, documentary and neo-conceptual practices confront the biopolitics of climate change; the financialization and rights of nature; climate refugees; and indigenous ecologies.	x	
Biomolecular Engineering	BME 268A	Science and Justice	Considers the practical and epistemological necessity of collaborative research in the development of new sciences and technologies that are attentive to questions of ethics and justice. Enrollment is by permission of instructor. Enrollment is restricted to graduate students.		x
Feminist Studies	FMST 203	Feminist Pedagogies	Examines feminist pedagogies as projects in transgressing traditional disciplinary boundaries. Examines historical examples of alternative pedagogies and contemporary models for creating communities dedicated to social justice		x
Feminist Studies	FMST 243	Fem Race Knowledge	Course takes as its central topic the institutional politics of feminist and critical race knowledges in the post-1960s United States university. Considers these fields' complex and contradictory relation to disciplinarity, the university's primary or default mode of arranging and legitimizing knowledge formations.		x
Feminist Studies	FMST 268A	Science and Justice	Considers the practical and epistemological necessity of collaborative research in the development of new sciences and technologies that are attentive to questions of ethics and justice.		x
History	HIS 204C	ColonialNatRaceSem	Research seminar introducing theories and methods of the comparative histories of race, ethnicity, colonialism, and nationalism.		x
History	HIS 212A	Citizenship in US Hist	A reading-intensive graduate seminar in United States history that examines citizenship and its exclusions, grounded in race, gender, sexuality, age, and disability. This seminar also explores how forms of belonging intersected with evolving understandings of nationalism and sovereignty.		x
History	HIS 229	Labor in Asia	Introduces students to important debates in labor studies in Asia. Studies the relationship between labor, capitalism, and imperialism. Also interrogates the relevance or irrelevance of Asia as a concept from the standpoint of labor.		x
History	HIS 230C	Rdgs: 20Th C China	A survey of major Western-language works and historiographical controversies in Chinese history from 1900 to the present. Weekly readings emphasize particular social and political movements as well as long-term changes in urban and rural society.		x
History	HIS 251B	European Empire	The history of empire has emerged as one of the most influential and fastest growing areas of inquiry within the field of modern European history. This course introduces students to recent debates and trends in imperial, colonial, and postcolonial history.		x
History of Consciousness	HISC 217	CriticalHumanRights	Addresses about 10 of the significant critiques of human rights discourse published in the past decade by authors, such as Moyn, Douzinas, Fassin, Ticktin, J. Slaughter, D. Chandler, Mamdani, Weitzman, Badiou, and Meister.		x
History of Consciousness	HISC 268A	Rethink Capitalism	Readings include works by speakers at UCSC's "Rethinking Capitalism Initiative." Topics are: (1) financialization versus commodification (how options-theory has changed capitalism); (2) material markets (how this theory performs); and (3) valuation and contingency (how economies make worlds).	x	
History of Consciousness	HISC 272	DeprovincializingMarx	Course aims to rethink Marx against the grain, from the debate with Russian populists to Capital and the Grundrisse. Investigates formal subsumption not as a historical stage, but as a form that denotes how capitalism encounters, incorporates, and combines existing modes of production without creating a homogeneous world.		x
Literature	LIT 282C	Texts & Contexts	The implications of social and political change examined in terms of literary theory and practice. Equal emphasis placed on literary and other kinds of cultural texts: historical, political, cinematic.		x
Philosophy	PHIL 246	Ethics/Nature/NatSel	Explores the role, if any, that Darwinian theory and evolutionary biology should have on ethical theory. Topics range from classic work, including Darwin and classic expositors, to influential contemporary work on natural selection, in light of the best philosophical literature.		x
Earth and Planetary Sciences	EART 124	Model Earth Climate	A hands-on course in climate modeling with emphasis on computer programming (Python) exercises. Topics include the physical laws governing climate, the hierarchy of model complexity, parameterizations, using models for prediction versus understanding, and application to past and future Earth climates.		x

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Earth and Planetary Sciences	EART 254	The Climate System	Focuses on atmospheric and oceanic processes that are important within the Earth's climate system, especially those that operate on annual to centennial time scales. Format includes lectures by the instructors, paper readings, and discussion.		x
Earth and Planetary Sciences	EART 265	Order of Magnitude	Practice in making rough estimates and leading-order approximations in physical and chemical processes		x
Earth and Planetary Sciences	EART 290T	Paleocean & Climate	Students and instructor lead discussions of recent and significant problems in paleoceanography and paleoclimatology. Articles structured around current themes of interest are selected by the instructor. Emphasis on major climatic transitions or events which noticeably influenced evolution of biota.		x
Ecology & Evolutionary Biology	BIOE 245	Plant Ecology	An exploration of the ecology of plant form, function, distribution, abundance, and diversity. Topics include plant adaptations to environmental conditions, life history variation, competition, reproductive ecology, herbivory, and patterns of diversity.		x
Ecology & Evolutionary Biology	BIOE 248A	Quantitative Ecology	Incorporates building mathematical models and fitting them to data to answer questions in ecology and evolution. Includes learning to write computer code to simulate models and analyze data. Topics include models of population and evolutionary dynamics, and species interactions and behavior.		x
Ecology & Evolutionary Biology	BIOE 262	Facilitate Chg in CSP	Skills-based course in effective leadership and communication, including stakeholder engagement, facilitation, conflict resolution, team building, and introduction to project management. Communication training includes identifying audiences and objectives (public, philanthropy, policymakers, managers, scientist practitioners) and leveraging non-traditional communication platforms.	x	
Ecology & Evolutionary Biology	BIOE 279	Evolutionary Ecology	Analysis of the ways in which ongoing evolution and coevolution shape the ecological structure and dynamics of populations, species, and species interactions across geographic landscapes.		x
Ecology & Evolutionary Biology	BIOE 281D	Global Chng Ecology	Focuses on fundamental concepts in global-change ecology, with emphasis on coastal and marine ecosystems and issues of sustainability. The seminar is devoted to reading and evaluating current and classic literature and discussing graduate student research		x
Ecology & Evolutionary Biology	BIOE 281E	Freshwater Ecology	Current topics in freshwater ecology, eco-evolutionary dynamics, fisheries, and fish ecology. Enrollment is restricted to graduate students. Qualified undergraduates may enroll with permission from instructor.		x
Ecology & Evolutionary Biology	BIOE 281F	Ecological Res Topi	Intensive research and discussions on plant-animal interactions. All students undertake a research project and meet weekly with the faculty sponsor to monitor progress. The group meets weekly to discuss experimental design and analysis, specific problems related to the students' research, relevant research papers, or manuscripts that the group members are writing. Each student gives a formal presentation of research plans or progress each quarter.		x
Ecology & Evolutionary Biology	BIOE 281N	Marine Vert Ecology	Seminar on the ecology of marine vertebrates. Topics vary from the factors that explain the distribution of marine predators to island biogeography and the ecosystem effects of introduced vertebrates on islands.		x
Ecology & Evolutionary Biology	BIOE 281O	PlantWaterRelations	Intensive seminar focusing on fundamental and evolutionary concepts in plant-water relations. Students present results from their own research and discuss recent advances from the literature.		x
Ecology & Evolutionary Biology	BIOE 281P	Plant Population	An intensive seminar on selected topics in plant ecology and population biology. Students present results from their own research and discuss recent advances from the literature.		x
Ecology & Evolutionary Biology	BIOE 281R	Mari Eco&Evol Biol	An intensive seminar series focusing on fundamental concepts in marine ecology. Emphasis changes quarter to quarter. At least one quarter per year is devoted to discussion of graduate student research. Other quarters involve reading and evaluating current and classic literature on marine ecology and evolutionary biology.		x
Ecology & Evolutionary Biology	BIOE 287	Ethics/Nature/NatSel	Explores the role, if any, that Darwinian theory and evolutionary biology should have on ethical theory. Topics range from classic work, including Darwin and classic expositors, to influential contemporary work on natural selection, in light of the best philosophical literature.		x
Microbiology & Env Toxicology	METX 200	Intrdisc Appr	Introduction to interdisciplinary, case-based approaches to problem-solving. Demonstrates how important, current problems in environmental and human health have been addressed and solved. Presents assigned problems that integrate the different organization levels (environmental, molecular/cellular, organismal/public health) inherent to environmental and human health. Students work in collaborative teams to analyze each problem and create a proposal for a research plan/solution.		x
Microbiology & Env Toxicology	METX 201	Sources/Pollutants	Presents in-depth important principles of environmental toxicology related to the introduction, transport, and fate of toxicants in aquatic and terrestrial environments including environmental chemistry and biogeochemical cycles as well as exposure pathways and uptake by organisms. Additional emphasis will be placed on the susceptibility and effects of toxicants across organ systems, toxicokinetics and biomarkers of exposure, and effects at the ecosystem level.		x

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Microbiology & Env Toxicology	METX 202	Cell/Molec Toxiclgy	Presents in-depth important principles of environmental toxicology related to the introduction, transport, and fate of toxicants in aquatic and terrestrial environments including environmental chemistry and biogeochemical cycles as well as exposure pathways and uptake by organisms. Additional emphasis will be placed on the susceptibility and effects of toxicants across organ systems, toxicokinetics and biomarkers of exposure, and effects at the ecosystem level.		x
Ocean Sciences	OCEA 218	Marine Microb Ecol	Recent developments in the study of marine bacteria and their role in the marine ecosystem. Emphasis on biochemistry and physiology in relation to metabolic activity and elemental cycles, trophic interactions and flows of material and energy in marine food webs.		x
Ocean Sciences	OCEA 220	Chemical Oceanograp	A chemical description of the sea; emphasis on the chemical interactions of the oceans with the biosphere, atmosphere, and lithosphere. Topics include biogeochemical cycles and the use of chemical tracers to study oceanic and coastal processes.		x
Ocean Sciences	OCEA 230	Biol Oceanography	Biological description of sea, with emphasis on processes and patterns. Topics include microbial dynamics, phytoplankton and zooplankton production, and ecology of marine food webs. Emphasis placed on understanding how physical, chemical, and geological environment shapes biology and ecology of oceans, including such topics as harmful algal blooms, global estimates of productivity, and effects of humans on environment.	x	
Science Communication Program	SCIC 201A	Reporting Sci News	A survey of the conventions of newspaper journalism and the special application of those conventions to scientific and technological subjects.		x
Science Communication Program	SCIC 201B	The Science Feature	A survey of selected feature articles in the current national science magazines, with attention to strategy, level of complexity, explanation technique, and style. Writing assignments include a publishable feature article.		x
Science Communication Program	SCIC 201C	Profile/Essay Writng	A survey of science and nature profiles and essays. Purpose, content, form, and style are considered. Writing assignments include original profiles and essays on current issues in science, technology, and society.		x
Science Communication Program	SCIC 201D	Plicy/Investig Reprt	Rigorous examination of techniques for reporting topics where science and technology meet public policy and society. Covers essential skills of investigative reporting, including obtaining documents through Public Records Act requests, using online reporting resources, and writing about ethical and legal issues.		x
Science Communication Program	SCIC 201E	Multimedia Sci News	Introduces web-media tools for reporting science stories and enhancing coverage for broad audiences, including video packages, narrated slideshows, podcasts, blogs, and still photography. Laboratory sections address skills for handling equipment and online editing.		x
Science Communication Program	SCIC 202	Writ & Edit Wrkshop	Theory and practice of writing and editing articles on scientific, medical, environmental, and technological subjects for newspapers, magazines, and special publications directed at non-technical readers.		x
Anthropology	ANTH 233	Politics of Nature	Advanced graduate seminar in environmental anthropology and science and technology studies, focusing on how nature is produced in the modern world and what political and practical significance this has in different contexts.		x
Anthropology	ANTH 249	Ecolog Discourses	Explores narratives of nature and their practical consequences in contests over "wild places" and their resources. Readings focus on the histories of forests and on analytic frameworks—ecology, social history, interpretation, cultural studies—with which to investigate competing constructions of the environment.		x
Anthropology	ANTH 267A	Science and Justice	Considers the practical and epistemological necessity of collaborative research in the development of new sciences and technologies that are attentive to questions of ethics and justice.		x
Economics	ECON 201	Applic In Microecon	Applies concepts and tools developed in course 200 to problems encountered in private- and public-sector output and labor markets. The focus is empirical; topics include analysis of labor supply and labor demand and the role of government labor market policies, analysis of pricing policies and regulation, estimation of the returns to schooling, estimation of demand and cost functions, and the role of unions in the economy.		x
Economics	ECON 202	Macroecon Analysis	Aggregate economic analysis: determinants of aggregate expenditures and output, the roles of monetary and fiscal policy, recent developments in macro theory, macro policy issues.		x
Economics	ECON 220A	Dev Econ Theory	Studies the microeconomics of development. Topics may include health and nutrition, education, intra-household economics, formal and informal risk-coping mechanisms, savings, credit, agriculture, institutions, and service delivery, and corruption.		x
Economics	ECON 220B	Dev EconII	Methodological class covering how to build a good theoretical model, how to derive a convincing test of a model, and how to structurally estimate a model.		x
Economics	ECON 250A	Public Appl Econ I	Theory of the role of public sector expenditures and taxes in market economies. Analyzes efficiency and equity arguments for government intervention. Topics include the role of public debt and deficits in economies, international effects of tax and spending policies, and economic theories of public sector decision making.	x	
Economics	ECON 250B	Public Appl Econ II	Covers topics in applied microeconomics, including public, labor, education, environmental, and health. Discusses advanced econometric techniques used to establish causal identification. Students read and evaluate current research and develop an independent research agenda.	x	

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Economics	ECON 259B	Public Policy Analy	Applications of welfare and microeconomic theory and methodology to the public expenditure question: cost-benefit. Effects of the taxes discussed in course 259A and sophisticated tools used in the face of these and other distortions with regard to measurement of benefits, costs, and the discount rate.	x	
Environmental Studies	ENVS 210	Pol Eco Thought Enviro	Provides an introduction to social scientific analyses of the relationships between capitalistic development and the environment in the late 20th century. It has a dual purpose: First, to develop a contemporary historical understanding and sensibility of how economic change, new institutional configurations, and world scale processes are shaping interactions with the environment. Second, to examine some recent political social theoretical perspectives on nature-society relations and radical environmental and social movements	x	
Environmental Studies	ENVS 215A	Gis & Envnmntl Applc	Introduction to geographic information systems (GIS) as the technology of processing spatial data, including input, storage and retrieval; manipulation and analysis; reporting and interpretation. Emphasizes GIS as a decision support system for environmental and social problem solving, using basic model building, experimental design, and database management.	x	
Environmental Studies	ENVS 230	Agro & Sustain Agri	The application of ecological concepts and principles to the design and management of agricultural systems. The long-term goal of sustainable agroecosystems is examined in economic, social, and ecological contexts.	x	
Environmental Studies	ENVS 263	Plant Disease Ecol	Introduction to ecological roles of plant diseases, including their importance in regulating plant populations dynamics, community diversity and system function in natural ecosystems, considerations of plant diseases in conservation ecology, and ecological approaches to managing diseases in agroecosystems.	x	
Latin American and Latino Studies	LALS 200	LatAm/Latina/o Stdy	Explores social, cultural, economic, and political changes that connect Latin America and U.S. Latina/o communities.		x
Latin American and Latino Studies	LALS 200A	Power and Society	Assesses key concepts organized around questions of power in contemporary Latina/o and Latin American interdisciplinary intellectual thought in the social sciences. Emphasis is on understanding power in relation to transnationalism and the department's substantive themes.		x
Latin American and Latino Studies	LALS 220	TransnatlCivilSocty	Analyzes social, civic, and political actors that come together across borders to constitute transnational civil society, drawing from political sociology, political economy, comparative politics, and anthropology to address collective identity formation, collective action, institutional impacts, and political cultures		x
Politics	LGST 128	Povrty/Public Policy	Studies the causes, consequences, and governmental response to urban poverty in the U.S. Topics include how public policy, the macroeconomy, race, gender, discrimination, marriage, fertility, child support, and crime affect and are affected by urban poverty. Emphasizes class discussion and research.		x
Politics	POLI 200A	Pol & Social Thought	Draws on history of political thought, contemporary social and critical theory, and the contributions of legal and institutional analysis of various kinds to engage in critical study of political practices that are experienced or understood as in some way limiting, oppressive, or wrong; to transform our understanding of these practices; to see their contingent conditions; and to articulate possibilities of governing ourselves differently.		x
Politics	POLI 223	Amer Pol Dev	Explores several important topics that have emerged from the renewed interest in political development, and are visible within its scholarship in American Political Development; for example, state-building, institutional change, representation, culture, participation, political identity, and economic and social transformations		x
Politics	POLI 232	U.S. Political Hist	Covers several important themes and sets of readings from the literature on American political development. Topics include the origins and development of American political institutions, the evolution of democratic mechanisms, the rise and fall of social movements, and debates about the sources of policy regimes and political change, including the role of war.		x
Politics	POLI 270	Global Env Governance	Explores if, how, and under what conditions agency and power are diffusing away from the state to non-state actors such as, NGOs/civil society, corporations, and international organizations.		x
Politics	POLI 271	Global GeoPolitics	Explores global politics in relation to geo-political formations that are developing in concert with contemporary crises in capitalist globalization, but which are also shaped by a wide range of intersecting racial, sexual, environmental, national, and neocolonial politics as well.		x
Psychology	PSYC 211A	SocialJustice/Indiv	Provides an introduction to social psychology, focusing on various individual-level social justice topics, including the self, social comparison, individual and collective identity, social historical and social structural determinants of behavior and various policy and social change-related issues.		x
Psychology	PSYC 211B	Jstice/Society/Plicy	Provides an introduction to social psychology, focusing on empirical and theoretical developments related to social justice and group and intergroup dynamics. Topics include: prejudice and discrimination, power, collective action, and psychology's relationship to social policy.		x

Department/Program	Subject #	Course Title	Course Description	Sustainability Course	Includes Sustainability
Sociology	SOCY 220	Global Transformatn	Classical concepts and contemporary approaches in macrosociology, the study of large-scale, long term social change. Readings drawn primarily from the Marxian and Weberian traditions (new institutionalism, varieties of neo-Marxism, environmental history, state centrism) as they focus on agrarian and industrial structures and commodity chains; household, village, and neighborhood organization; social movements and revolutions; culture, ideology, and consciousness; policy analysis; comparative urban, national, and civilizational development.	x	
Sociology	SOCY 229	Wrk Lbr Mkt New Ecn	Focuses on the interaction of work restructuring and existing race/class/gender inequalities. Themes include: the labor process and theories of consent; labor market segmentation; job and occupational segregation; information technologies, flexible work, and post-industrialism; flexible employment relations; and low-wage service and labor markets.		x
Sociology	SOCY 240	Inequal & Identity	Explores recent theoretical and empirical studies of race, class, gender, and sexuality with an emphasis on the production of identities and their relationship to processes and structures of power in a postcolonial context.		x
Sociology	SOCY 268A	Science and Justice	Considers the practical and epistemological necessity of collaborative research in the development of new sciences and technologies that are attentive to questions of ethics and justice.		x