

UC Berkeley Sustainability Courses (updated Fall 2015): IMPORTANT NOTE: This list includes courses from Fall 2012 through Spring 2015. Many courses are offered repeatedly, but many also change over time. The semester that the courses are offered (ie. F or SP) is also liable to change. This list is

Department	Course Number	Course Title	Offered	More Detail	Sustainability Course or Course with Sustainability	Keywords	Link
A,RESEC	201	Production, Industrial Organization, and Regulation in Agriculture	F	Industrial organization including economics of information with applications to food retailing, cooperatives, fishing, and energy	Sustainability Course	Food, Agriculture	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	213	Applied Econometrics	F	Standard and advanced econometric techniques are applied to topics in agriculture and resource economics	Sustainability Course	Agriculture, Economics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	241	Economics and Policy of Production, Technology and Risk in Agricultural and Natural Resources	F	Agricultural and environmental policies and their impact on production and the environment, water resources, and more	Sustainability Course	Agriculture, Economics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	249	Agricultural, Food, and Resource Policy Workshop	F, SP	Presentation and criticism of ongoing research by faculty, staff and students	Course with Sustainability	Food, Agriculture	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	C253	International Economic Development Policy	F	Development/application of policy to developing-world problems related to poverty, macroeconomics, and environmental sustainability	Course with Sustainability	Economics, International, Development, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	261	Environmental Resource Economics	F	Theory of renewable and nonrenewable natural resource use, with applications to forests, fisheries, energy, and climate change.	Sustainability Course	Economics, Environment, Renewable	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	263	Dynamic Models in Environmental and Resource Economics	F	Methods of analysis and optimal control of dynamic systems, emphasizing applications in environmental and natural resource economics	Sustainability Course	Economics, Modeling	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	264	Empirical Energy and Environmental Economics	SP	In-depth understanding of empirical methods and research designs that are routinely used in field of energy and environmental economics	Sustainability Course	Economics, Energy, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	269	Natural Resource Economics Workshop	F, SP	Current Research in the department	Course with Sustainability	Economics, Research	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Agricultural+and+Resource+Economics&p_dept_cd=A,RESEC&p_path=I
A,RESEC	202	Issues and Concepts in Agricultural Economics	F	History, institutions, and policies affecting agriculture markets and environmental quality. Producer behavior over time and under uncertainty. Asset fixity and agricultural supply models.	Course with Sustainability	Agriculture, Economics, History, Policy	http://guide.berkeley.edu/courses/a,resecc/
A,RESEC	375	Professional Preparation: Teaching of Environmental Economics and Policy	F, SP	Discussion, problem review and development, guidance of discussion classes, course development, supervised practice teaching	Course with Sustainability	Education, Economics, Policy	http://guide.berkeley.edu/courses/a,resecc/
AMERST	10	Introduction to American Studies	F, SP	Draw on the arts, material culture, and various fields affecting cultural production and meaning. Areas include environmental studies	Course with Sustainability	Art, Culture, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
AMERST	10AC	Introduction to American Studies	F, SP	Draw on the arts, material culture, and various fields affecting cultural production and meaning. Areas include environmental studies	Course with Sustainability	Art, Culture, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
AMERST	C171	The American Designed Landscape Since 1850	F, SP	Cultural/social contexts that have shaped landscape architecture practice; includes environmental concerns and technological innovations	Course with Sustainability	Culture, Landscape, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
ANTHRO	C129D	Holocene Paleoecology: How Humans Changed the Earth	F, SP	Unravel the broad trends of human ecodynamics over the past 10,000 years using methods and data from a variety of fields	Sustainability Course	History, Change, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
ANTHRO	137	Energy, Culture, and Social Organization	F, SP	Influence of culture and social organization on energy use, energy policy, and quality of life issues in domestic and international settings	Sustainability Course	Culture, Society, Energy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
ANTHRO	140	The Anthropology of Food	F, SP	Identity, taste, taboos, ritual, traditions, nationalism, health, alcohol use, civilizing society, globalism, and the global politics of food	Course with Sustainability	Food, Culture, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
ANTHRO	C254	Topics in Science and Technology Studies	F	Multidisciplinary field with capacity to rethink the relationship of science, technology, and political and social life; includes climate change	Course with Sustainability	Technology, Science, Politics, Society, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=American+Studies&p_dept_cd=AMERST
ANTHRO	148	Anthropology of the Environment	F, SU	Surveys anthropological perspectives on the environment and examines differing cultural constructions of nature. Coverage includes theory, method, and case materials extending from third world agrarian contexts to urban North America.	Course with Sustainability	Environment, Political Ecology, Culture	http://guide.berkeley.edu/courses/anthro/
ARCH	100B	Fundamentals of Architectural Design	F, SP	Stresses tectonics, materials, and energy considerations	Course with Sustainability	Architecture, Energy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	101	Case Studies in Architecture	F, SP	Strategies in analysis/design of buildings: internal spatial relationships, material, form, tectonics, social and environmental considerations	Course with Sustainability	Architecture, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	130	Introduction to Architectural Design Theory and Criticism	F, SP	Technology, environmental and ecological concerns, globalization of architectural production, and development of new materials	Course with Sustainability	Architecture, Technology, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	140	Energy and Environment	SP	Fundamentals of building science including the evolving nature of building technologies, energy efficiency, ecology, and responsible design	Sustainability Course	Architecture, Energy, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	242	Sustainability Colloquium	F	Presentations on a variety of topics related to sustainability	Sustainability Course	Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	149	Special Topics in Energy and Environment	F, SP	Special topics include climatic design, heating, ventilating, air-conditioning systems, lighting, and acoustics	Sustainability Course	Architecture, Energy, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	200A	Architectural Design Studio	F	Problems emphasize the major format, spatial, material, tectonic, social, technological, and environmental determinants of building form	Course with Sustainability	Architecture, Technology, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	200B	Architectural Design Studio	F	Problems emphasize the major format, spatial, material, tectonic, social, technological, and environmental determinants of building form	Course with Sustainability	Architecture, Technology, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	240	Advanced Concepts in Energy and Environment	F, SP	Quantitative and qualitative methods for assessing energy performance during design of both residential and commercial buildings	Sustainability Course	Architecture, Energy, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	243	Natural Cooling: Sustainable Design for a Warming Planet	F, SP	Course focuses on zero- and no-energy climate responsive cooling strategies for both residential and commercial scale buildings	Sustainability Course	Architecture, Energy, Climate, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Architecture&p_dept_cd=ARCH&p_path=*
ARCH	100A	Fundamentals of Architectural Design	SP, SU	Introductory courses in the design of buildings. Problems emphasize conceptual strategies of form and space, site relationships and social, technological and environmental determinants.	Course with Sustainability	Environment, Design	http://guide.berkeley.edu/courses/arch/
ARCH	105	Deep Green Design	F	This course explores the issues and practices of green architectural design through critical readings of seminal and current texts, lectures, films, field trips and projects that use both design and analysis as means of inquiry. The course examines varied approaches to sustainable design including using nature and wilderness as models, biophilia, biomimicry, material sources and reuse, accounting systems such as LEED, Zero Net Carbon and the 2030 Challenge, and the Living Building Challenge.	Sustainability Course	Environment, Design, Sustainability	http://guide.berkeley.edu/courses/arch/
ARCH	110AC	The Social and Cultural Basis of Design	F	This course focuses on the significance of the physical environment for citizens and future design professionals. This course is an introduction to the field of human-environment studies, taught from an American Cultures perspective. Its objectives include: 1) being able to use the concepts in person-environment relations, 2) understanding how these concepts vary by subculture, primarily Anglo-, Hispanic-, and Chinese-American, 3) learning to use the methodological skills needed to conduct architectural programming and evaluation research, 4) thinking critically about the values embedded in design and the consequences for people, their behavior, and feelings.	Course with Sustainability	Environment, Design, Culture	http://guide.berkeley.edu/courses/arch/
ARCH	211	Theory and Methods in the Social and Cultural Basis of Design	SP	Explores a variety of theories which explain and document the relationship between humans and the environment they build; outlines the research methods appropriate to each theory.	Course with Sustainability	Environment, Design	http://guide.berkeley.edu/courses/arch/
ARCH	219	Special Topics in the Social and Cultural Basis of Design	F, SP	Topics include the sociology of taste, personal and societal values in design, participatory design, semantic ethnography, environments for special populations such as the elderly, and building types such as housing, hospitals, schools, offices, and urban parks.	Course with Sustainability	Urban Design, Population	http://guide.berkeley.edu/courses/arch/
ARCH	242	Sustainability Colloquium	F	Presentations on a variety of topics related to sustainability, offering perspectives from leading practitioners: architectural designers, city planners, consultants, engineers, and researchers.	Sustainability Course	Design, Sustainability	http://guide.berkeley.edu/courses/arch/
ARCH	245	Daylighting	F, SP	This seminar introduces theories, technologies, design strategies and analytical methods of architectural daylighting, including issues of visual experience, integration with electrical lighting and energy use. The course provides foundation for intelligent daylighting design by developing frameworks for thinking about design, performance and tools. The work examines two archetypal daylighting conditions: a toplighted (roof-lighted) space and a side-lighted (window-lit) space with range of methods including readings, on-site observation and measurement, case studies, design exercises and analysis through models and simulation.	Sustainability Course	Design, Energy	http://guide.berkeley.edu/courses/arch/

BIO ENG	148/248	Bioenergy and Sustainable Chemical Synthesis: Metabolic Engineering and Synthetic Biology Approaches	SP	This course will cover metabolic engineering and the various synthetic biology approaches for optimizing pathway performance. Use of metabolic engineering to produce biofuels and general "green technology" will be emphasized since these aims are currently pushing these fields. The course is meant to be a practical guide for metabolic engineering and the related advances in synthetic biology as well the related industrial research and opportunities.	Sustainability Course	Engineering, Green Technology	http://guide.berkeley.edu/courses/bio_eng/
BIOENG	25	Careers in Biotechnology	SP	Includes engineered solutions to environmental challenges	Course with Sustainability	Biotechnology, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Bioengineering&p_dept_cd=BIO+ENG
BIOENG	C181	The Berkeley Lectures on Energy: Energy from Biomass	F	After an introduction to the different aspects of our global energy consumption, the course will focus on the role of biomass	Sustainability Course	Energy, Global, Climate, Biofuel	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Bioengineering&p_dept_cd=BIO+ENG
BIOLOGY	1B	General Biology Lecture and Laboratory	F, SP	General introduction to plant development, form, and function; population genetics, ecology, and evolution	Course with Sustainability	Ecology, Problems, Solutions	http://guide.berkeley.edu/courses/biology/
BUDDSTD	C126	Buddhism and the Environment	F, SP	Thematic course on Buddhist perspectives on nature and Buddhist responses to environmental issues	Sustainability Course	Buddhist, Environment	http://general-catalog.berkeley.edu/catalog/gcc_view_req?p_dept_cd=BUDDSTD
CHEM	105	Instrumental Methods in Analytical Chemistry	F, SP	Includes real-world problem solving with emphasis on bioanalytical, environmental, and forensic applications	Course with Sustainability	Chemistry, Biology, Environmental	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemistry&p_dept_cd=CHEM
CHEM	C138/C238	The Berkeley Lectures on Energy: Energy from Biomass	F	After an introduction to the different aspects of our global energy consumption, the course will focus on the role of biomass	Sustainability Course	Energy, Global, Climate, Biofuel	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemistry&p_dept_cd=CHEM
CHEM	C234	Green Chemistry: An Interdisciplinary Approach to Sustainability	SP	Design and production of safer and more sustainable chemicals and products	Sustainability Course	Chemistry, Design, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemistry&p_dept_cd=CHEM
CHEM	C236	Energy Solutions: Carbon Capture and Sequestration	F	Course will survey the capture and sequestration of CO2 from anthropogenic sources	Sustainability Course	Carbon, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemistry&p_dept_cd=CHEM
CHEME	40	Introduction to Chemical Engineering Design	F	Design choices in light of process efficiency, product quality, economics, safety, and environmental issues	Course with Sustainability	Chemistry, Environmental	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemical+and+Biomolecular+Engineering&p_dept_cd=CHM+ENG
CHEME	90	Science and Engineering of Sustainable Energy	SP	Intro to the science and technologies of producing electricity and transportation fuels from renewable energy resources	Sustainability Course	Energy, Fuel, Science, Chemistry	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemical+and+Biomolecular+Engineering&p_dept_cd=CHM+ENG
CHEME	C195A/C295A	The Berkeley Lectures on Energy: Energy from Biomass	F	After an introduction to the different aspects of our global energy consumption, the course will focus on the role of biomass	Sustainability Course	Energy, Global, Climate, Biofuel	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemical+and+Biomolecular+Engineering&p_dept_cd=CHM+ENG
CHEME	C295Z	Energy Solutions: Carbon Capture and Sequestration	F	Course will survey the capture and sequestration of CO2 from anthropogenic sources	Sustainability Course	Carbon, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Chemical+and+Biomolecular+Engineering&p_dept_cd=CHM+ENG
CIV ENG	11	Engineered Systems and Sustainability	SP	An introduction to key engineered systems (e.g., energy, water supply, buildings, transportation) and their environmental impacts	Sustainability Course	Engineering, Environmental, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	70	Engineering Geology	F	Influence of geological factors on engineering works and the environment	Course with Sustainability	Engineering, Environmental, Geology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	C106	Air Pollution	F	Introduction to air pollution and the chemistry of earth's atmosphere	Sustainability Course	Pollution, Atmospheric, Chemistry, Air	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	107	Climate Change Mitigation	SP	Assessment of technological options for responding to the threat of climate change	Sustainability Course	Climate, Technology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	111	Environmental Engineering	F	Methods for controlling emissions, with a focus on transportation-related air pollution	Sustainability Course	Pollution, Transportation, Air	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	111L	Water and Air Quality Laboratory	F	Provides an opportunity to understand key concepts in water and air quality through hands-on experimentation	Sustainability Course	Water Quality, Air, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	112	Environmental Engineering Design	F	Engineering design and project management of environmental quality control systems	Sustainability Course	Management, Environment, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	113N	Ecological Engineering for Water Quality Improvement	SP	Ecological engineering for treating contaminated water using natural processes to improve water quality	Sustainability Course	Water Quality, Ecology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	114	Environmental Microbiology	F	Microbial processes with application to water, wastewater and the environmental fate of pollutants	Course with Sustainability	Pollution, Water Quality, Chemistry, Wastewater	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	115	Water Chemistry.	F	Chemistry applications in aquatic environment and in water and wastewater treatment processes	Sustainability Course	Chemistry, Environmental, Water Quality	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	C116	Chemistry of Soils	SP	Chemical mechanisms of reactions controlling the fate and mobility of nutrients and pollutants in soils	Course with Sustainability	Pollution, Soil, Chemistry	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	140	Failure Mechanisms in Civil Engineering Materials	SP	Failure mechanisms in civil engineering materials associated in part with environmental changes	Course with Sustainability	Materials, Environmental	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	155	Transportation Systems Engineering	SP	Transportation impact modeling; noise; air pollution. Multi-criteria evaluation and decision making. Financing and politics	Course with Sustainability	Transportation, Modeling, Air, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	156	Infrastructure Planning and Management	F	Infrastructure systems that support society: transportation, communications, power, water, and waste	Sustainability Course	Transportation, Energy, Water, Waste, Society	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	173	Groundwater and Seepage	F	Intro to principles of groundwater flow, including groundwater geology, contaminant transport, and design of waste containment systems	Course with Sustainability	Groundwater, Pollution, Waste	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	176	Environmental Geotechnics	SP	Principles of environmental geotechnics applied to waste encapsulation and remediation of contaminated sites	Sustainability Course	Environmental, Waste, Contamination	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	180	Design, Construction, Maintenance of Civil and Environmental Engineered Systems	SP	Constraints and trade-offs in engineering, life-cycle engineering (design through decommissioning), development of factors of safety	Course with Sustainability	Engineering, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	186	Design of Cyber-Physical Systems	SP	Crowd-sourced applications for maps, traffic management, or persuasive technologies for sustainable behavior	Course with Sustainability	Transportation, Sustainability, Behavior	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	191	Civil and Environmental Engineering Systems Analysis	F	Problems include design of a transportation system for an urban area and resource allocation for maintenance of a water supply system	Course with Sustainability	Transportation, Design, Water	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	202A	Vadose Zone Hydrology	F	Theoretical framework for modeling, followed by applications in ecology, drainage and irrigation, and contaminant transport	Sustainability Course	Modeling, Ecology, Pollution, Water	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	203N	Surface Water Hydrology	F	Includes snow and snowmelt processes, applications of remote sensing, and flood and drought modeling	Course with Sustainability	Water, Sensing, Modeling	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	209	Design for Sustainable Communities	SP	Innovative products or processes for improving the sustainability of resource-constrained communities in poor, developing countries	Sustainability Course	Sustainability, Community, Poverty, Development	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	210A	Control of Water-Related Pathogens	SP	Comprehensive strategies for the assessment and control of water-related human pathogens	Sustainability Course	Water, Health	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	211A	Environmental Physical-Chemical Processes	F	Fundamental concepts of physical-chemical processes that affect water quality in natural and engineered environmental systems	Course with Sustainability	Water Quality, Chemistry, Environmental	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	211B	Environmental Biological Processes	SP	Incorporates basics of microbiology in engineering context to describe, predict, and control behavior of environmental biological systems	Course with Sustainability	Biology, Engineering, Environmental	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	217	Environmental Chemical Kinetics	SP	Estimation of environmental reaction rates. Development of models of pollutant behavior in complex natural systems	Sustainability Course	Chemistry, Pollution, Environment, Modeling	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	218A	Air Quality Engineering	F	Quantitative overview of the characterization and control of air pollution problems	Sustainability Course	Air, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	218B	Air Pollutant Dynamics	SP	Study of the behavior of gaseous and particulate air pollutants, with application to understanding fate of pollutants and more	Course with Sustainability	Air, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	226	Stochastic Structural Dynamics	F	Applications in earthquake, wind, and ocean engineering	Course with Sustainability	Earthquake, Wind, Ocean, Engineering	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	227	Earthquake-Resistant Design	SP	Evaluation of earthquake vulnerability of existing structures and rehabilitation of seismic deficiencies	Course with Sustainability	Earthquake, Structures	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	240	Civil Engineering Materials	F	Differences and similarities in response to loading and environmental effects on concrete, wood, and steel	Course with Sustainability	Structures, Materials	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	C250N	Transportation Policy and Planning		Transportation finance, pricing, and subsidy issues; energy and air quality in transportation innovations in transportation policy; and more	Course with Sustainability	Transportation, Planning, Policy, Energy, Air	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	256	Transportation Sustainability	F, SP	Introduction to the fundamentals of sustainable transportation	Sustainability Course	Transportation, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	264	Behavioral Modeling for Engineering, Planning, and Policy Analysis	SP	Focus on behavioral theories and use of quantitative methods to analyze human response - includes topic of sustainability	Course with Sustainability	Modeling, Behavior	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	268E	Civil Systems and the Environment	SP	Life-cycle planning, design, environmental assessment, industrial ecology, design for environment, pollution prevention, external costs.	Sustainability Course	Planning, Design, Environmental, Ecology, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	275	Geotechnical Earthquake Engineering	F	Influence of soil conditions on site response, seismic site response analysis, analysis of seismic soil-structure interaction, and more	Course with Sustainability	Earthquakes, Analysis, Soil	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	C276	Seismic Hazard Analysis and Design Ground Motions	SP	Deterministic and probabilistic approaches for seismic hazard analysis	Sustainability Course	Earthquakes, Hazard	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	290J	Advanced Topics in Geotechnical Engineering	F, SP	Includes new developments in geotechnical earthquake engineering, soil improvement, geosynthetics and earth structures, and more	Course with Sustainability	Geophysics, Earthquake, Soil	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG

CIV ENG	C290U	Transportation and Land Use Planning	F	Inclues models of transportation and urban structure and empirical evidence of transportation-land use impacts	Course with Sustainability	Modeling, Transportation, Land	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	292A	Technologies for Sustainable Societies	F	Technologies that serve major societal needs, such as shelter, water, food, energy, and transportation, and waste management	Sustainability Course	Technology, Water, Food, Energy, Transportation, Waste	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Civil+and+Environmental+Engineering&p_dept_cd=CIV+ENG
CIV ENG	101	Fluid Mechanics of Rivers, Streams, and Wetlands	F, SP	Analysis of steady and unsteady open-channel flow and application, mixing, and transport in rivers and streams. Effects of channel complexity. Floodplain dynamics and flow routing.	Course with Sustainability	Energy, Engineering, Ecosystems	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	103	Introduction to Hydrology	SP	Course addresses principles and practical aspects of hydrology.	Course with Sustainability	Water, Analysis, Modeling	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	105	Environmental Fluid Mechanics Design	F, SP	Hands-on design course in applied fluid mechanics.	Course with Sustainability	Engineering, Air Quality, Water	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	153	Transportation Facility Design	F	A capstone class with the objective to design transportation facilities based on operational capacity, site constraints, and environmental design considerations. Emphasis on airports, including landside and airside elements, and environmental assessment and mitigation techniques.	Course with Sustainability	Engineering, Transportation, Environmental Design	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	165	Concrete Materials, Construction, and Sustainability	SP	Sustainability analysis of concrete materials and mixtures. Development of special concretes: self-leveling concrete, high-performance concrete, and mass concrete. Soil formation and identification. Engineering properties of soils. Fundamental aspects of soil characterization and response, including soil mineralogy, soil-water movement, effective stress, consolidation, soil strength, and soil compaction. Use of soils and geosynthetics in geotechnical and geoenvironmental applications. Introduction to site investigation techniques. Laboratory testing and evaluation of soil composition and properties.	Sustainability Course	Engineering, Construction, Sustainability	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	175	Geotechnical and Geoenvironmental Engineering	F, SP	A series of lectures by distinguished professionals designed to provide an appreciation of the role of science, technology, and the needs of society in conceiving projects, balancing the interplay of conflicting demands, and utilizing a variety of disciplines to produce unified and efficient systems.	Course with Sustainability	Engineering, Soil	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	192	The Art and Science of Civil and Environmental Engineering Practice	F	Fluid mechanics of the natural water and air environment.	Course with Sustainability	Engineering, Environment	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	200A	Environmental Fluid Mechanics	F	Application of fluid mechanics to transport and mixing in the environment.	Course with Sustainability	Engineering, Water, Air, Pollution, Environment	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	200C	Transport and Mixing in the Environment	SP	Conceptual basis for earthquake protective systems including seismic isolation and energy absorbing techniques.	Course with Sustainability	Engineering, Water, Environment	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	223	Earthquake Protective Systems	F	Advanced topics in time-domain dynamic analysis of structures. Frequency-domain analysis of dynamic response; discrete Fourier transform methods. Earthquake analysis of structures including structural-foundation-soil interaction, and of structures interacting with fluids.	Course with Sustainability	Engineering, Problems, Solutions, Earthquake	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	228	Advanced Earthquake Analysis	SP	The management of vehicle flows and fleets. Traffic stream properties and their measurement. Theories of traffic flow. Capacity analysis and queueing. Flow control and fleet scheduling.	Course with Sustainability	Engineering, Problems, Solutions, Earthquake	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	251	Operation of Transportation Facilities	F	The systems approach and its application to transportation planning and engineering. Analysis of mass transit systems, their operation, and management. Technology of transit vehicles and structures. Public policy and financing.	Course with Sustainability	Engineerig, Transportation, Problems, Solutions	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	252	Systems Analysis in Transportation	F	Influence of geologic origin and history on the engineering characteristics of soils and rocks. Application of geology in exploration, design, and construction of engineering works.	Course with Sustainability	Engineering, Transportation, Policy, Management	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	259	Public Transportation Systems	SP	This course covers current topics of interest in civil and environmental engineering. Mathematical methods and information technologies for controlling CEE systems. Emphasizes designing component organizations that interact with the world in real-time to control a large system.	Course with Sustainability	Engineering, Soil	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	281	Engineering Geology	F	Supervised experience in off-campus companies relevant to specific aspects and applications of civil and environmental engineering.	Course with Sustainability	Engineering, Environment	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	290	Advanced Special Topics in Civil and Environmental Engineering	F, SP	This course applies principles of engineering, behavioral science, and vision science to preventing traffic collisions and subsequent injury.	Course with Sustainability	Engineering, Environment	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	290I	Civil Systems: Control and Information Management	F	Considers a variety of players in the story of water rights in California, including federal and state representatives, conservationists	Course with Sustainability	Engineering, Management	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	297	Field Studies in Civil and Environmental Engineering	F, SP, SU	Considers a variety of players in the story of water rights in California, including federal and state representatives, conservationists	Course with Sustainability	Engineering, Transportation, Health	http://guide.berkeley.edu/courses/civ_eng/
CIV ENG	C265	Traffic Safety and Injury Control	SP	Focuses on ethical decisions as they apply to diversity, sustainable practices, economic impacts	Course with Sustainability	Ethics, Diversity, Sustainability, Economics, Writing	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=College+Writing+Program&p_dept_cd=COLWRIT
COLWRIT	50AC	Researching Water in the West: Its Presence, Its Absence, and Its Consequences for the Peoples of California	F, SP	This intensive course helps students improve speaking, listening, grammar, and vocabulary/idioms skills while learning practical skills to resolve conflicts with people from different cultures. Students will act as mediators and disputants in mediation role-plays involving American culture topics based on business, law, culture, politics, and the environment. Course goal: achieve more natural fluency and listening comprehension in English for academic and professional purposes.	Course with Sustainability	Environment, Culture	http://guide.berkeley.edu/courses/colwrit/
COLWRIT	150AC	Researching Water in the West: Its Presence, Its Absence, and Its Consequences for the Peoples of California	F, SP	Many sociocultural and economic factors affect the ways individuals and groups manage food. The course focuses on current food movements and trends in the US--and the many ethical, cultural, and financial aspects that both underlie and result from them.	Course with Sustainability	Culture, Economics, Food, Social Movements	http://guide.berkeley.edu/courses/colwrit/
COLWRIT	192AC	Advanced Composition: Community-Based Ethics	F, SP	This course challenges students to use their English language reading, listening/speaking, note-taking, and research skills while focusing on environmental issues. Students will listen to lectures, watch and critique video and film clips, conduct research, and examine conflicting beliefs based on articles in the media and journals. The course requires students to participate in discussions and debates while reflecting on personal views.	Sustainability Course	Environment, Problems, Solutions	http://guide.berkeley.edu/courses/colwrit/
COLWRIT	6I	English Language Studies: Conflict Resolution Skills	SU	In this course, students analyze critical issues and conflicts that arise related to sustainability. Course goals include improving academic English reading and research skills through completing a research review and proposal; and oral skills through engagement with video, interviews, panel discussions, and presentations. Course includes a fieldwork component.	Sustainability Course	Sustainability, Problems	http://guide.berkeley.edu/courses/colwrit/
COLWRIT	7D	English Language Studies: Food Culture in the U.S.	SU	Concepts and procedures in city planning to improve the urban environment in response to physical, social, and economic problems	Course with Sustainability	Planning, Adaption	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
COLWRIT	7E	Language, Culture & Environmental Issues in the U.S.	SU	Intro to the characteristics of urban transportation systems, the methods through which they are planned and analyzed	Course with Sustainability	Planning, Transportation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
COLWRIT	9Z	English, Research, and Sustainability	SU	Sustainable development applied to cities and urban regions; variety of contemporary urban planning issues through the sustainability lens	Sustainability Course	Planning, Sustainability, Development	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	110	Introduction to City Planning	F, SP	Planning regarding property rights, land use regulation, and access to housing	Course with Sustainability	Planning, Regulation, Law, Environmental, Land	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	114	Introduction to Urban and Regional Transportation	SP	Inclues models of transportation and urban structure and empirical evidence of transportation-land use impacts	Course with Sustainability	Planning, Modeling, Transportation, Land	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	119	Planning for Sustainability	F	Transportation finance, pricing, and subsidy issues; energy and air quality in transportation innovations in transportation policy; and more	Course with Sustainability	Transportation, Energy, Transportation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	205	Introduction to Planning and Environmental Law.	SP	Planning for mass transit and other alternatives to private automobile; emphasis on planning and designing for transit-based housing	Course with Sustainability	Planning, Transportation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	C213	Transportation and Land Use Planning	F	Builds policy lessons on planning for mobility, accessibility, and sustainability in different political and contextual settings	Sustainability Course	Planning, Sustainability, Global, Transportation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	C217	Transportation Policy and Planning	F	Environmental problems, attitudes, and criteria. Methods of addressing environmental quality. Environmental simulation.	Sustainability Course	Environmental, Research	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	C218	Transportation Planning Studio	F	Advanced problems in urban design and land use, and in environmental planning	Sustainability Course	Planning, Environmental, Design, Land	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	218	Transportation Planning Studio	F				
CY PLAN	219	Comparative International Topics in Transportation	F				
CY PLAN	C241	Research Methods in Environmental Design	F				
CY PLAN	248	Advanced Studio: Urban Design/Environmental Planning	SP				

CY PLAN	C251	Environmental Planning and Regulation	F	Emerging trends in environmental planning and policy and basic regulatory framework for environmental planning encountered in the U.S	Sustainability Course	Planning, Environmental, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
CY PLAN	252	Land Use Controls	F	Theory, practice and impacts of zoning, growth management, land banking, development systems, and other techniques of land use control	Course with Sustainability	Management, Land, Development	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=City+and+Regional+Planning&p_dept_cd=CY+PLAN
DEMOG	110	Introduction to Population Analysis	F	Life tables, fertility and nuptiality measures, age pyramids, population projection, measures of fertility control	Course with Sustainability	Fertility, Analysis, Population	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Demography&p_dept_cd=DEMOG
DEMOG	C126	Social Consequences of Population Dynamics		Includes, resource issues, economic development, the environment, population control, family planning, birth control, aging	Course with Sustainability	Resources, Development, Environment, Population	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Demography&p_dept_cd=DEMOG
DEMOG	C175	Economic Demography	SP	What are the economic and environmental consequences of rapid population growth? This course will introduce the basic concepts including economic welfare, externality, public good, global commons, policy approaches for dealing with externality, and techniques for quality analysis. It will include case studies where groups will design economic incentives and policy solutions to major problems. It will have sections on particular problems including climate change, water and air quality, animal waste, toxic contamination, forestry and fishery policy.	Course with Sustainability	Economics, Environment, Population	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Demography&p_dept_cd=DEMOG
DEVP	222	Economics of Sustainable Resource Development	F		Sustainability Course	Climate Chage, Pollution, Waste, Forestry, Fishery, Economics	http://guide.berkeley.edu/courses/devp/
DEVP	227	Principles of Natural Resource Management	F, SP	This course will introduce concepts in natural resource management.	Sustainability Course	Management, Natural Resources, Modeling, Analysis, Water, Air	http://guide.berkeley.edu/courses/devp/
DEVP	246	Transboundary Water Conflict Resolution: The Israeli/Arab Case	SP	This course will cover technological, legal, and institutional mechanisms to resolve the water conflict between Israel and its Arab neighbors	Course with Sustainability	Water, Social Issues	http://guide.berkeley.edu/courses/devp/
DEVP	C221	Climate, Energy and Development	F	examining the role of energy science, technology, and policy in international development.	Course with Sustainability	Climate, Energy, Technology, Development	http://guide.berkeley.edu/courses/devp/
DEVP	C232	Foundations of Public Health	F, SP	The seminar will introduce core disciplines and concepts in public health, using a case-based, integrated approach.	Course with Sustainability	Air Pollution, Environmental Health	http://guide.berkeley.edu/courses/devp/
ECON	C3	Introduction to Environmental Economics and Policy	F, SP	Introduction to microeconomics with emphasis on resource, agricultural, and environmental issues	Sustainability Course	Economics, Environment, Agriculture, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Economics&p_dept_cd=ECON
ECON	84	Buddhist Economics Sophomore Seminar	SP	Undergraduate seminar comparing neoclassical economics model to an ideal economy that promotes individual freedoms and capabilities	Course with Sustainability	Economics, Social, Global	
ECON	C102	Natural Resource Economics	F	Application to energy, forests, fisheries, water, and climate change. Resources, growth, and sustainability	Sustainability Course	Economics, Energy, Climate, Water, Forests, Resoures, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Economics&p_dept_cd=ECON
ECON	C125	Environmental Economics	SP	Theories of externalities and public goods applied to pollution and environmental policy. Trade-off between production and environment.	Sustainability Course	Economics, Environment, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Economics&p_dept_cd=ECON
ECON	131	Public Economics	F, SP	Course covers tax policy, social insurance programs, public goods, environmental protection, interaction between levels of government	Course with Sustainability	Economics, Environment, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Economics&p_dept_cd=ECON
ECON	C175	Economic Demography	SP	What are the economic and environmental consequences of rapid population growth?	Course with Sustainability	Economics, Environment, Population	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Economics&p_dept_cd=ECON
ECON	274	Global Poverty and Impact Evaluation	SP	Explore the variety of tools available for rigorously measuring the impact of development programs	Course with Sustainability	Economics, Development, Impact	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Economics&p_dept_cd=ECON
EECS	134	Fundamentals of Photovoltaic Devices	F, SP	How solar cells work and the concepts and models of solar cell device physics. Light management and economics also covered	Course with Sustainability	Energy, Solar, Technology, Economics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Electrical+Engineering+and+Computer+Sciences&p_dept_cd=EECS&p_p
EECS	137B	Introduction to Electric Power Systems	SP	Focus on new and emerging technologies for power conversion and delivery. Includes solar and wind generation	Course with Sustainability	Energy, technology, Solar, Wind	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Electrical+Engineering+and+Computer+Sciences&p_dept_cd=EECS&p_p
EEP	C1	Introduction to Environmental Economics and Policy	F, SP	Introduction to microeconomics with emphasis on resource, agricultural, and environmental issues	Sustainability Course	Economics, Environment, Agriculture, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	100	Microeconomic Theory with Application to Natural Resources	F, SP	Basic microeconomic tools for further study of natural resource problems	Sustainability Course	Economics, Resources, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C101	Environmental Economics	SP	Theories of externalities and public goods applied to pollution and environmental policy. Trade-off between production and environment.	Sustainability Course	Economics, Environment, Policy, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C102	Natural Resource Economics	F	Application to energy, forests, fisheries, water, and climate change. Resources, growth, and sustainability	Sustainability Course	Economics, Energy, Climate, Water, Forests, Resoures, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C115	Modeling and Management of Biological Resources	F	Various models for topics such as population interactions, competition, fisheries, pest management, and genetics	Course with Sustainability	Economics, Modeling, Resources, Population, Fish, Management	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C118	Introductory Applied Econometrics	F	Techniques of statistical and econometric analysis with applications in environmental, resource, and international development economics	Course with Sustainability	Economics, Statistics, Environment, Resources, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	131	Globalization and the Natural Environment	F	How has increased international trade, integration of factor markets, and international agreement affected the environment?	Course with Sustainability	Environment, Economics, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	143	Economics of Innovation and Intellectual Property	F	Topics include innovation examples from agriculture, energy, pharmaceuticals, software, and electronics	Course with Sustainability	Economics, Agriculture, Energy, Technology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	145	Health and Environmental Economic Policy	F	Focus on frameworks for analyzing market failure in provision of health and environmental goods and policy findings relevant to the field	Course with Sustainability	Economics, Environment, Health, Market Failure	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	147	Regulation of Energy and the Environment	SP	Emphasis on policies that seek to mitigate the impact of energy production and consumption on the environment	Sustainability Course	Policy, Energy, Environment, Mitigation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	153	Population, Environment, and Development	SP	Interdisciplinary approach to interactions between population, environmental change, and economic development	Sustainability Course	Population, Environment, Change, Economics, Development	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	154	Economics of Poverty and Technology	SP	Focuses on technologies related to agricultural production, processing, market access, value chains, and climate change	Course with Sustainability	Technology, Agriculture, Climate, Economics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	162	Economics of Water Resources	SP	Urban demand for water; water supply and economic growth; water utility economics; irrigation demand; large water projects; and more	Sustainability Course	Water, Economics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C175	The Economics of Climate Change	F, SP	Economic models will be developed to analyze the impacts of climate change and provide and critique existing and proposed policy tools	Sustainability Course	Modeling, Economics, Climate, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C180	Ecological Economics in Historical Context	SP	Multiple perspectives on ecological economics in order to move toward sustainable, fulfilling, just economies	Sustainability Course	Economics, Ecology, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EEP	C183	Forest Ecosystem Management	SP	Introduces students to concepts and quantitative tools needed for the sustainable management of multi-use forest ecosystems	Sustainability Course	Sustainability, Management, Forests, Ecosystems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Economics+and+Policy&p_dept_cd=ENVECON&p_path=
EL ENG	134	Fundamentals of Photovoltaic Devices	SP	This course is designed to give an introduction to the fundamentals of photovoltaic devices.	Course with Sustainability	energy, management, economics, photovoltaics	http://guide.berkeley.edu/courses/el_eng/
EL ENG	137B	Introduction to Electric Power Systems	SP	Overview of recent and potential future evolution of electric power systems with focus on new and emerging technologies for power conversion and delivery, primarily at the distribution level.	Course with Sustainability	energy	http://guide.berkeley.edu/courses/el_eng/
ENE,RES	C100/C200	Energy and Society	F, SP	Energy sources, uses, and impacts: introduction to the technology, politics, economics, and environmental effects of energy in society	Sustainability Course	Energy, Society, Impacts, Technology, Economics, Politics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	101	Ecology and Society	F	Topics include ecological limits to growth, threats to biodiversity, value of ecosystem goods and services, and more	Sustainability Course	Ecology, Biodiversity, Ecosystem, Society	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	102	Quantitative Aspects of Global Environmental Problems	SP	Human disruption of biogeochemical and hydrological cycles; climate change; pollutants; loss of species; radioactivity; epidemics	Sustainability Course	Impact, Climate, Pollution, Problems, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	175/275	Water and Development	F	This course introduces students to water policy in developing countries	Sustainability Course	Water, Policy, Development, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	C180	Ecological Economics in Historical Context	SP	Multiple perspectives on ecological economics in order to move toward sustainable, fulfilling, just economies	Sustainability Course	Economics, Ecology, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	190/290	Seminar in Energy, Environment, Development and Security Issues	F, SP	Critical, cross disciplinary analysis of specific issues or general problems of how people interact with environmental and resource systems	Sustainability Course	Environment, Resources, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	201	Interdisciplinary Analysis in Energy and Resources	F	Important perspectives on energy and resource issues, introduced through a particularly influential book or set of papers	Sustainability Course	Energy, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	C202	Modeling Ecological and Meteorological Phenomena		Modeling methods in ecology and meteorology; stability analysis; effects of anthropogenic stress on natural systems	Sustainability Course	Modeling, Ecology, Meteorology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	C205	Quantitative Methods for Ecological and Environmental Modeling	F	Review of background mathematical and statistical tools necessary for pursuing ecological and environmental modeling	Course with Sustainability	Modeling, Ecology, Environment, Statistics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	C226	Photovoltaic Materials; Modern Technologies in the Context of a Growing Renewable Energy Market	F	Focus on fundamentals of photovoltaic energy conversion with respect to operation/design of efficient semiconductor solar cell devices	Course with Sustainability	Energy, Solar, Materials	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES

ENE,RES	254	Electric Power Systems	SP	Includes organizational design, regulations, environment, end-use efficiency, and new technologies	Course with Sustainability	Energy, Power, Environment, Technology, Efficiency	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	280	Energy Economics	SP	Includes patterns of energy use, trade-offs in energy conservation, effect of energy policy; projecting energy and resources supply and use	Course with Sustainability	Energy, Conservation, Policy, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	291	Special Topics in Energy and Resources	F, SP	Study and critical analysis of advanced topics in energy and resources using interdisciplinary approaches	Course with Sustainability	Energy, Resources, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	292A	Tools of the Trade	F	Quantitative methods for energy and resource analysis	Course with Sustainability	Energy, Resources, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Energy+and+Resources+Group&p_dept_cd=ENE,RES
ENE,RES	198	Directed Group Studies for Advanced Undergraduates	F, SP	Group studies of selected topics.	Course with Sustainability	Research, Energy	http://guide.berkeley.edu/courses/ene,res/
ENE,RES	199	Supervised Independent Study and Research	F, SP, SU	Individual conferences.	Course with Sustainability	Research, Energy	http://guide.berkeley.edu/courses/ene,res/
ENE,RES	273	Research Methods in Social Sciences	F, SP	This course aims to introduce graduate students to the rich diversity of research methods that social scientists have developed for the empirical aspects of their work	Course with Sustainability	Research, Energy	http://guide.berkeley.edu/courses/ene,res/
ENE,RES	295	Special Topics in Energy and Resources	F, SP	Presentations of research in energy issues by faculty, students, and visiting lecturers.	Course with Sustainability	Research, Energy	http://guide.berkeley.edu/courses/ene,res/
ENE,RES	99	Supervised Independent Studies for Freshmen and Sophomores	F, SP	Supervised research on specific topics related to energy and resources.	Course with Sustainability	Research, Energy	http://guide.berkeley.edu/courses/ene,res/
ENE,RES	221	Climate, Energy and Development	F	Graduate seminar examining the role of energy science, technology, and policy in international development.	Course with Sustainability	Climate, Energy, Culture	http://guide.berkeley.edu/courses/ene,res/
ENG	C77	Introduction to Environmental Studies		How scientific method, and imaginative thinking can clarify what is at stake in environmental issues and ecological citizenship	Sustainability Course	Environment, Issues, Writing, Values	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=English&p_dept_cd=ENGLISH
ENGIN	93	Energy Engineering Seminar	F	Weekly seminar with different speakers on energy-related topics. The goal is to expose students to a broad range of energy issues.	Course with Sustainability	Energy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Engineering&p_dept_cd=ENGIN
ENGIN	157AC	Engineering, The Environment, and Society	SP	This course engages students at the intersection of environmental justice, social justice, and engineering to explore how problems that are commonly defined in technical terms are at their roots deeply socially embedded.	Course with Sustainability	Environment, Engineering, Environmental Justice, Social Justice, Pollution	http://guide.berkeley.edu/courses/engin/
ENV DES	2	Introduction to Environmental Design Summer Lectures	SU	This course accompanies the summer studio and media classes in the architecture and landscape architecture post-baccalaureate programs, (IN)Arch and (IN)Land, of the College of Environmental Design.	Course with Sustainability	design, sustainability, achitecture, landscape	http://guide.berkeley.edu/courses/env_des/
ENV DES	102	Critical Debates in Sustainable Urbanism	F	The aim of the course is to provide students with knowledge and insight into the major issues and debates relating to sustainability.	Sustainability Course	Sustainability, Design	http://guide.berkeley.edu/courses/env_des/
ENV DES	106	Sustainable Environmental Design Workshop	SP	This course asks students to reflect back, reviewing the various disciplinary approaches introduced toward sustainability and to look forward by proposing interdisciplinary ways to affect the environment. Each year will be organized around a theme and project advanced by the faculty of the College.	Course with Sustainability	Environment, Design	http://guide.berkeley.edu/courses/env_des/
ENVDES	1	People and Environmental Design	F, SP	Survey of relationships between people and environments, designed and non-designed; intro to the literature and professional practices	Course with Sustainability	Environment, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Design&p_dept_cd=ENV+DES
ENVDES	R3B	Reading and Composition in Energy, Society, and Environmental Design	F, SP	Key literature that examines, primarily, the relationship between sustainability and environmental design disciplines	Sustainability Course	Environment, Design, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Design&p_dept_cd=ENV+DES
ENVDES	4C	Future Ecologies: Urban Design, Climate Adaptation, and Thermodynamics	F, SP	Intro to methods for investigating relationships in the built environment; Questions about human habitat that could shape the future	Sustainability Course	Environment, Society, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Design&p_dept_cd=ENV+DES
ENVECON	147	Regulation of Energy and the Environment	SP	This is an applied economics course on government regulation of energy with an emphasis on policies that seek to mitigate the impact of energy production and consumption on the environment.	Course with Sustainability	Economics, Policy, Energy	http://guide.berkeley.edu/courses/envecon/
ENVECON	153	Population, Environment, and Development	F, SP	This course takes an interdisciplinary approach to the complex interactions between population, environmental change, and economic development	Sustainability Course	Economics, Population, Natural Resources	http://guide.berkeley.edu/courses/envecon/
ENVSCI	10	Introduction to Environmental Sciences		Environmental problems: geologic hazards, water and air quality, water supply, solid waste, introduced and endangered species,	Sustainability Course	Environment, Problems, Water, Air, Waste	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Sciences&p_dept_cd=ENV+SCI
ENVSCI	100	Introduction to the Methods of Environmental Science	SP	Introduction to basic methods used in environmental research by biological, physical, and social scientists	Course with Sustainability	Research, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Sciences&p_dept_cd=ENV+SCI
EPS	3	The Water Planet	F, SP	Patterns of water use, threats to water quality, effects of global climate change on future water supplies. Water issues facing California.	Sustainability Course	Water, Water quality, Climate, California, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C12	The Planets	F, SP	Understanding other worlds will help us save our own planet and help us understand our place in the universe	Course with Sustainability	Planets, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	20	Earthquakes in Your Backyard	F, SP	Includes earthquake hazard and risk, with particular emphasis on the situation in California	Course with Sustainability	Earthquakes, California, Hazard, Risk, California	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	80	Environmental Earth Sciences	F, SP	Describes geologic processes active on and in the earth and man's interactions with them	Course with Sustainability	Geologic, Interactions, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C82	Oceans	F	Importance oceans to the global carbon cycle, and principles of ecology with focus on important concept of energy flow through food webs	Course with Sustainability	Oceans, Carbon, Ecology, Energy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	102	History and Evolution of Planet Earth		Includes formation oceans, and atmosphere; stratigraphic record of environment, and evolution; climate history and climate change	Course with Sustainability	Oceans, Atmospheric, Record, Evolution, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	103/203	Introduction to Aquatic and Marine Geochemistry	SP	Includes reactions in marine environment; carbon system equilibrium chemistry and biogeochemistry of fresh/salt water	Course with Sustainability	Oceans, Environment, Carbon, Chemistry, Water	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	111	Petroleum Geology		Origin of petroleum: quality, quantity, thermal maturation of organic matter in source rock	Course with Sustainability	Carbon, Petroleum	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	115	Stratigraphy and Earth History	F	Earth history; neocatastrophism; applications of stratigraphy to climate change, petroleum geology, and archaeology	Course with Sustainability	History, Climate, Petroleum, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	117	Geomorphology		Examination of runoff generation, weathering, soil erosion by water and wind, mass wasting, glacial and periglacial processes	Course with Sustainability	Soil, Erosion, Water, Glaciers	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	124/224	Isotopic Geochemistry		An overview of the use of natural isotopic variations to study earth, planetary, and environmental problems	Course with Sustainability	Global, Environment, Problems, Isotopes, Chemistry	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C129	Biometeorology	F	How the physical environment of plants and soil affects the physiological status of plants and how plants affect their physical environment	Course with Sustainability	Plants, Soil, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	131	Geochemistry		Chemistry of the solid earth, oceans, and atmosphere	Course with Sustainability	Chemistry, Oceans, Atmospheric	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	150	Case Studies in Earth Systems		Discussion of three research problems on the interactions of solid earth, hydrologic, chemical, and atmospheric processes	Course with Sustainability	Research, Global, Chemistry, Atmospheric, Water	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C180	Air Pollution	F	An introduction to air pollution and the chemistry of earth's atmosphere	Sustainability Course	Air, Pollution, Chemistry, Atmospheric	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C181	Atmospheric Physics and Dynamics		Processes that determine the structure/circulation of the Earth's atmosphere including the role of water in the energy/radiation balance	Course with Sustainability	Atmospheric, Water, Energy, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C183	Carbon Cycle Dynamics	SP	The focus is the (unsolved) puzzle of the contemporary carbon cycle.	Sustainability Course	Carbon, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	200	Problems in Hydrogeology		Includes faulting and earthquakes, hydrocarbon migration and trapping,; flow-associated mineralization, and contaminant problems	Course with Sustainability	Earthquakes, Carbon, Pollution	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	229	Introduction to Climate Modeling	SP	Emphasizes fundamentals of climate system via hierarchy of climate models.	Sustainability Course	Modeling, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C241	Stable Isotope Ecology	SP	Investigate climate feedbacks, sensitivity, and response times	Course with Sustainability	Isotope, Chemistry, Water, Ecology, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C242	Glaciology		Includes isotope measurements in the context of terrestrial, aquatic, and marine ecological processes and problems	Course with Sustainability	Glaciers, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	250	Advanced Topics in Earth and Environmental Sciences		Use mechanics of glacial systems to examine glaciers as geomorphologic agents and as participants in climate change	Sustainability Course	Glaciers, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	251	Carbon Cycle Dynamics		Review of recent literature and discussion of ongoing research at the interface between earth science and environmental science	Sustainability Course	Environmental, Research, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C276	Seismic Hazard Analysis and Design Ground Motions	SP	The focus is the (unsolved) puzzle of the contemporary carbon cycle.	Sustainability Course	Earthquakes, Hazard	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
EPS	C295Z	Energy Solutions: Carbon Capture and Sequestration	F	Deterministic and probabilistic approaches for seismic hazard analysis	Sustainability Course	Carbon, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Earth+and+Planetary+Science&p_dept_cd=EPS
ESPM	2	The Biosphere	F	Course will survey the capture and sequestration of CO2 from anthropogenic sources	Course with Sustainability	Global, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Science,+Policy,+and+Management&p_dept_cd=ESPM
ESPM	6	Environmental Biology	F	Includes human dependence on the biosphere as well as the magnitude and consequences of human interventions in the biosphere	Course with Sustainability	Environment, Biology, Ecology, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Science,+Policy,+and+Management&p_dept_cd=ESPM
				Discussion of basic ecological processes as a basis for understanding environmental problems and formulating strategies for their solution	Sustainability Course	Environment, Biology, Ecology, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Environmental+Science,+Policy,+and+Management&p_dept_cd=ESPM

ESPM	112	Microbial Ecology	SP	Introduction to the ecology of microorganisms. Topics include the ecology and evolution of microbes and their relationship with each other and the environment. The role and function of microbes in several ecosystems is also discussed.	Course with Sustainability	Ecology, Environment, Microbes	http://guide.berkeley.edu/courses/espm/
ESPM	113	Insect Ecology	SP	Ecology of insects: interactions with the physical environment; structure and functioning of insect populations and communities; behavioral ecology of predator-prey interactions; plant-insect interactions; social insects; pollination biology; applied insect ecology.	Course with Sustainability	Insects, Plants, Environment	http://guide.berkeley.edu/courses/espm/
ESPM	137	Landscape Ecology	F	This course will cover broad topics in landscape ecology with the goal of answering the core questions of how patterns develop on landscapes, how these patterns relate to biotic and abiotic processes, and how these patterns and processes change through time.	Course with Sustainability	Ecology, Analysis, Biology, Modeling	http://guide.berkeley.edu/courses/espm/
ESPM	158	Biodiversity Conservation in Working Landscapes	SP	Students will study fundamental concepts in ecology and conservation biology, and evaluate case studies to assess how conservation approaches have evolved and which are working.	Course with Sustainability	Conservation, Biodiversity, Ecology	http://guide.berkeley.edu/courses/espm/
ESPM	192	Molecular Approaches to Environmental Problem Solving	F	Seminar in which students consider how modern biotechnological approaches, including recombinant DNA methods, can be used to recognize and solve problems in the area of conservation, habitat and endangered species preservation, agriculture and environmental pollution.	Course with Sustainability	Conservation, Pollution	http://guide.berkeley.edu/courses/espm/
ESPM	217	Political Economy of Climate Change	SP	This course examines the comparative and global political economy of climate change, with a focus on the politics of climate change mitigation in the energy sector.	Course with Sustainability	Economics, Climate Change, Policy, Energy	http://guide.berkeley.edu/courses/espm/
ESPM	268	Seminar in Range Ecology	F	A seminar course dealing with selected topics in ecology of rangelands.	Course with Sustainability	Ecology, Land Use	http://guide.berkeley.edu/courses/espm/
ESPM	40	Insects and Human Society	F	An introduction to the diversity and natural history of insects in natural and human environments. The course examines the wonder of insects, their interactions with the living world, and their contributions to and impacts on human society.	Course with Sustainability	Insects, Environment	http://guide.berkeley.edu/courses/espm/
ESPM	C282	Health Implications of Climate Change	SP	The course will provide a basic foundation in the physical mechanisms of, responses to, and health implications of climate change.	Course with Sustainability	Health, Climate Change, Analysis Business, Environment, Energy, Economics, Climate Change	http://guide.berkeley.edu/courses/espm/
EW MBA	212	Energy and Environmental Markets	SP	Business strategy and public issues in energy and environmental markets.	Course with Sustainability	Climate Change, Analysis Business, Environment, Energy, Economics, Climate Change	http://guide.berkeley.edu/courses/ewmba/
GEO	1	Global Environmental Change	F, SP	Importance of natural and human-induced change, global warming, forest clearance, soil erosion, climate change and its consequences	Sustainability Course	Climate, Forests, Soil, Change, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	4	World Peoples and Cultural Environments	F, SP	Then development and spread of cultural adaptations, human use of resources, transformation and creation of human environments	Sustainability Course	Culture, Resources, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	10	World Regions, Peoples, and States	F	The most important interrelations between environment, economy, ethnicity, and national identity and viability of states will be explored	Course with Sustainability	Environment, Economics, Ethnicity, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	20	Globalization	F	How and why are geographical patterns of employment, production, and consumption unstable in the contemporary world?	Course with Sustainability	Production, Consumption, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	31	Justice, Nature, and the Geographies of Identity	F	Understanding traditional ideas of environmental justice as well as to examine less traditional sites of environmental justice	Sustainability Course	Environmental Justice	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	35	Global Ecology and Development	F, SP	Course explores how growth and stagnation are linked to problems of environmental sustainability	Sustainability Course	Development, Problems, Sustainability, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	40	Introduction to Earth System Science	F, SP	Climate change, ozone depletion, and biodiversity loss, air and water pollution, fisheries depletion, and science in public policy	Sustainability Course	Climate, Ozone, Biodiversity, Air, Water, Pollution, Fish, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	50AC	California	F, SP	Classic themes in geography, such as regional difference, the transformation of nature, the space of cities, and the changing landscape	Course with Sustainability	California, Change	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	C82	Oceans	F	Alien world of sea life, importance of the ocean to the global carbon cycle, and principles of ecology	Course with Sustainability	Oceans, Carbon, Ecology, Energy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	110	Economic Geography of the Industrial World	F	Geographic dynamics of technical change, employment, business organization, resource use, and divisions of labor	Course with Sustainability	Change, Business, Resources, Labor	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	130	Food and the Environment	F, SP	Role of agriculture in the world economy, national development, and environmental degradation in the Global North and the Global South	Course with Sustainability	Agriculture, Economics, Development, Environment, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	137	Top Ten Global Environmental Problems	F	Examines scientific basis underlying the largest environmental threats, and reframe issues to explore the societal basis of those problems	Sustainability Course	Environment, Problems, Sociology, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	138	Global Environmental Politics	F, SP	Includes environmental degradations, agricultural production, political power, access to resources, global environmental policies/treaties	Sustainability Course	Environment, Agriculture, Politics, Policy, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	C139	Atmospheric Physics and Dynamics	F	Processes that determine the structure/circulation of the Earth's atmosphere including the role of water in the energy/radiation balance	Course with Sustainability	Atmospheric, Water, Energy, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	140A	Physical Landscapes: Process and Form	F	How physical landscapes change and are susceptible to human modifications, which are often unintentional	Course with Sustainability	Land, Change	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	142	Climate Dynamics	F	Includes observations of climate system; earth's energy balance; atmospheric radiative transfer; surface energy balance; hydrologic cycle	Course with Sustainability	Climate, Energy, Atmospheric, Water, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	143	Global Change Biogeochemistry	F	Explores the imprint of the biota (including humans) on the chemistry of the ocean, land, and atmosphere	Sustainability Course	Chemistry, Oceans, Land, Atmospheric	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	171	Ecosystem Responses to Global Climate Change	SP	This course is designed to provide a vehicle for instructors to address a topic in physical geography	Course with Sustainability	Geography, Ecosystems, Climate Change	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	215	Seminar in Comparative and International Development	SP	Research in comparative development, organization of work, and access to resources in different regions of the world economy	Course with Sustainability	Research, Resources, Economics, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	C241	Glaciology	F	Use mechanics of glacial systems to examine glaciers as geomorphologic agents and as participants in climate change	Sustainability Course	Glaciers, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	244	Complex Environmental Systems	F, SP	Includes climate change, human-environmental systems, vegetation community change, river networks, fires, earthquakes, and peatlands	Sustainability Course	Environment, Climate, Change, Fire, Earthquakes	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	C250	Seminar in Sociology of Forest and Wildland Resources	F	Individual projects and group discussions concerning social constraints to, and effects of, natural resource planning and management	Sustainability Course	Sociology, Resources, Planning, Management	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEO	257	Topics in Climatology	F	Research seminar on selected topics in climatology	Course with Sustainability	Research, Climatology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Geography&p_dept_cd=GEOG
GEOG	130	Food and the Environment	SP, SU	How human populations organize and alter natural resources and ecosystems to produce food.	Sustainability Course	Food, Economy, Development, Environmet	http://guide.berkeley.edu/courses/geog/
GEOG	C136	Terrestrial Hydrology	SP	A quantitative introduction to the hydrology of the terrestrial environment.	Course with Sustainability	Water, Analysis	http://guide.berkeley.edu/courses/geog/
GER	160C	A Divided Nation. Politics and Culture in Germany 1945-1990	F, SP	Major national debates such as the student movement, opposition and conformity under Socialism, and the rise of environmentalism	Course with Sustainability	Germany, Politics, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=German&p_dept_cd=GERMAN&p_path=I
GWS	141	Interrogating Global Economic "Development"	F, SP	"Development" practices about labor, population, resources, environment, literacy, tech, media; and women's resistance and alternatives	Course with Sustainability	Development, Population, Resources, Technology, Gender	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Gender+and+Women%27s+Studies&p_dept_cd=GWS
HIST	120AC	American Environmental and Cultural History	F	History of the American environment and ways in which different cultural groups have perceived, used, managed, and conserved it	Course with Sustainability	History, Culture, Environment, Management, Conservation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=History&p_dept_cd=HISTORY
IAS	C118	Introductory Applied Econometrics	F	Techniques of statistical and econometric analysis with applications in environmental, resource, and international development economics	Course with Sustainability	Economics, Analysis, Statistics, Environment, Resources, Development	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=International+and+Area+Studies&p_dept_cd=IAS
IAS	157AC	Engineering, the Environment, and Society	F, SP	Engages students at the intersection of environmental justice, social justice, and engineering	Course with Sustainability	Environmental Justice, Social Justice, Environment, Society	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=International+and+Area+Studies&p_dept_cd=IAS
IAS	C175	The Economics of Climate Change	F, SP	Economic models will be developed to analyze the impacts of climate change and provide and critique existing and proposed policy tools	Sustainability Course	Modeling, Economics, Climate, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=International+and+Area+Studies&p_dept_cd=IAS
IAS	C229	Mediterranean-Climate Landscapes	F, SP	Comparative study of environmental conditions and human responses thereto in California and other Mediterranean-climate regions	Sustainability Course	Environment, California, Climate, Mediterranean	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=International+and+Area+Studies&p_dept_cd=IAS
IB	C82	Oceans	F	Importance oceans to the global carbon cycle, and principles of ecology with focus on important concept of energy flow through food webs	Course with Sustainability	Oceans, Global, Carbon, Ecology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biology&p_dept_cd=INTEGBI
IB	106A	Physical and Chemical Environment of the Ocean	SP	Air/sea interaction. Mixing. Formation of water masses. Modeling biological and geochemical processes. Ocean and climate change	Course with Sustainability	Biodiversity, Modeling, Oceans, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biology&p_dept_cd=INTEGBI
IB	152	Environmental Toxicology	SP	The environmental fate and effect of toxic substances from human activities, with emphasis on aquatic systems	Sustainability Course	Toxic, Environment, Water	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biology&p_dept_cd=INTEGBI

IB	154	Plant Ecology	F	Population ecology, life histories, community structure and dynamics, disturbance and succession, diversity and global change	Course with Sustainability	Ecology, Biodiversity, History, Global, Change	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
IB	C155	Holocene Paleoecology: How Humans Changed the Earth	F, SP	Unravel the broad trends of human ecodynamics over the past 10,000 years using methods and data from a variety of fields	Sustainability Course	History, Change, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
IB	C156	Principles of Conservation Biology	SP	Factors that affect the creation, destruction, and distribution of biological diversity at the level of the gene, species, and ecosystem	Course with Sustainability	Conservation, Biodiversity, Ecosystem	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
IB	166	Evolutionary Biogeography	SP	Techniques used to study interactions between biogeographic ranges, evolutionary processes, extinction, and environmental change	Course with Sustainability	Research, Biology, Environmental, Change	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
IB	C205	Quantitative Methods for Ecological and Environmental Modeling	F	Review of background mathematical and statistical tools necessary for pursuing ecological and environmental modeling	Course with Sustainability	Ecology, Environment, Modeling	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
IB	C216	Freshwater Ecology	SP	Topics including natural selection and adaptive evolution, and social-ecological resilience of freshwater ecosystems under global change	Course with Sustainability	Evolution, Ecology, Water, Ecosystems, Change, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
IB	C226	Stable Isotope Ecology	SP	Includes isotope measurements in the context of terrestrial, aquatic, and marine ecological processes and problems	Course with Sustainability	Ecology, Water, Chemistry	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Integrative+Biolog&p_dept_cd=INTEGBI
INTEGBI	102LF	Introduction to California Plant Life with Laboratory	SP	The relationship of the main plant groups and the plant communities of California to climate, soils, vegetation, geological and recent history, and conservation.	Course with Sustainability	Plant, Soil, Climate, Conservation	http://guide.berkeley.edu/courses/integbi/
INTEGBI	151/L	Plant Physiological Ecology/Laboratory	SP	This course focuses on a survey of physiological approaches to understanding plant-environment interactions from the functional perspective.	Course with Sustainability	Plant, Environment, Ecology	http://guide.berkeley.edu/courses/integbi/
INTEGBI	153	Ecology	F	Principles of microbial, animal, and plant population ecology	Course with Sustainability	Ecology, Biology, Analysis	http://guide.berkeley.edu/courses/integbi/
INTEGBI	157LF	Ecosystems of California	F	The ecosystems of California are studied from both an ecological and historical biogeographical perspective with a focus on terrestrial plant communities.	Course with Sustainability	Ecosystems, Plants	http://guide.berkeley.edu/courses/integbi/
INTEGBI	159	The Living Planet: Impact of the Biosphere on the Earth System	F	We will explore the effect that 3.5 billion years of evolving biosphere had on System Earth and vice versa (e.g., in terms of climate), including the recent human impact on the system.	Course with Sustainability	Biology, Water, Life, Atmosphere, Human Impact	http://guide.berkeley.edu/courses/integbi/
INTEGBI	170LF	Methods in Population and Community Ecology	SP	This course is a hands-on introduction to common research methods in population and community ecology.	Course with Sustainability	Ecology, Population, Analysis	http://guide.berkeley.edu/courses/integbi/
ISF	100H	Introduction to Media and International Relations	F, SP	Media use to construct public opinion about, terrorism, international trade and finance, and global warming and resource depletion	Course with Sustainability	Media, Global, Climate, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Interdisciplinary+Studies+Field+Major&p_dept_cd=ISF
JAPAN	181	Mediating Disaster: Fukushima, Before and After	SP	The course considers the different literary, social and ethical formations that arise or are destroyed in disaster. It explores how Japanese literature and media, before and after 3:11, attempt to translate the un-representable, and in so doing, to create a new type of literacy about 1) trauma and the temporality of disaster, 2) precarity, community and the public sphere and 3) sustainability and ecological scale.	Course with Sustainability	Disaster, Sustainability, Ecology	http://guide.berkeley.edu/courses/japan/
JOURN	C103	Edible Education: Telling Stories About Food and Agriculture	F, SP	Explores what can be done to make the food system healthier, more equitable, more sustainable, and the role of storytelling	Sustainability Course	Food, Health, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Journalism&p_dept_cd=JOURN
JOURN	226	Science Reporting	F, SP	Advanced study of methods of reporting developments in such fields as science, education, health, or the environment	Course with Sustainability	Media, Science, Education, Health, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Journalism&p_dept_cd=JOURN
LDARCH	12	Environmental Science for Sustainable Development	F, SP	The scientific basis of sustainability, explored through study of energy, water, food, natural resources, and built environment	Sustainability Course	Sustainability, Energy, Water, Food, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	101	Fundamentals of Landscape Design	F	Pedestrian/vehicular circulation, conservation and addition of plant materials, movement of water, recreation use, and creation of views	Course with Sustainability	Conservation, Water, Use, Landscape	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	103	Energy, Fantasy, and Form	F	Undergraduate studio with a central focus on climate modification for energy conservation	Sustainability Course	Energy, Conservation, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	110	Ecological Analysis	F	Analysis of environmental factors, ecosystem functions, and ecosystem dynamics, as related to decision-making for landscape planning	Sustainability Course	Environment, Ecosystems, Planning	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	110L	Ecological Analysis Laboratory	F	Field techniques for assessment of landscape factors. Includes topography, geology, climate, soil, hydrology, flora, vegetation, and wildlife	Sustainability Course	Landscape, Climate, Soil, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	120	Topographic Form and Design Technology	F, SP	Technical, graphic and computational exercises, and studio problems in topographic site design and shaping of the site for surface drainage	Course with Sustainability	Technology, Water, Planning	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	121	Design in Detail: Introduction to Landscape Materials and Construction	SP	Production and availability of materials, with evaluations on their sustainability, and their potential impact on the immediate environment	Sustainability Course	Materials, Sustainability, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	130	Sustainable Landscapes and Cities	F, SP	Introduction to the foundations of sustainability most related to the restoration, design, and creation of landscapes and cities	Sustainability Course	Sustainability, Resoration, Design, Landscape	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	138AC	The Metropolitan Landscape	F, SP	How the SF region can accommodate CA's growing pop while addressing human-induced consequences - visions for a sustainable region	Sustainability Course	California, Population, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	170	History and Literature of Landscape Architecture	F, SP	Cultural/social contexts that have shaped landscape architecture practice; includes environmental concerns and technological innovations	Course with Sustainability	Culture, Landscape, Environment, Technology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	C171	The American Designed Landscape Since 1850	F, SP	Cultural/social contexts that have shaped landscape architecture practice; includes environmental concerns and technological innovations	Course with Sustainability	Culture, Landscape, Environment, Technology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	200A	Fundamentals of Landscape Design	F	Topics include pedestrian and vehicular circulation, conservation, movement of water, recreation use, and creation of views	Course with Sustainability	Transportation, Conservation, Water, Use	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	201	Ecological Factors in Urban Landscape Design	F	Particularly emphasizes innovative and forward thinking solutions to the ecological problems of the human environment	Sustainability Course	Ecology, Problems, Solutions, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	204	Advanced Project Design	F, SP	Topics may include community design, educative environments, landscape as art, park design, or energy-conserving design	Course with Sustainability	Design, Landscape, Conservation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	205	Environmental Planning Studio	SP	Identify needed data, assess environmental developmental problems, weigh competing uses, prepare an environmental management plan	Course with Sustainability	Environment, Development, Planning, Management, Data	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	221	Quantitative Methods in Environmental Planning	F, SP	Application of quantitative methods to environmental assessment, analysis, and evaluation in environmental planning	Course with Sustainability	Environment, Analysis, Planning	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	222	Hydrology for Planners	SP	Course presents an overview of relevant hydrologic, hydraulic, and geomorphic processes	Course with Sustainability	Hydrology, Planning	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	225	Urban Forest Planning and Management	SP	Emphasis on planning and management of the urban forest, restoration of old parks, street trees, and community participation	Sustainability Course	Planning, Management, Forests, Trees, Community	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	226	Landscape Design Construction	SP	Durability of materials, efficient use of materials, and ability to evaluate how material selection and detailing can impact the environment	Sustainability Course	Materials, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	227	Restoration of Rivers and Streams	F	Goals and assumptions of river/stream restoration projects; techniques and strategies for evaluation of project success	Sustainability Course	Rivers, Restoration, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	C229	Mediterranean-Climate Landscapes	F, SP	Comparative study of environmental conditions and human responses thereto in California and other Mediterranean-climate regions	Sustainability Course	Environment, California, Climate, Mediterranean	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	C231	Environmental Planning and Regulation	F	Emerging trends in environmental planning and policy and basic regulatory framework for environmental planning encountered in the U.S	Sustainability Course	Environment, Planning, Policy, Regulation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	C237	The Process of Environmental Planning		Techniques used in planning, and evaluation of alternate means of implementation in varying environmental and political circumstances	Sustainability Course	Planning, Environment, Politics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	C241	Research Methods in Environmental Design		Environmental problems, attitudes, and criteria. Methods of addressing environmental quality. Environmental simulation.	Sustainability Course	Research, Environment, Problems, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	253	Landscape Architecture and Environmental Planning Colloquium	F, SP	Invited lectures on current research, planning practice, and design projects	Course with Sustainability	Research, Planning, Design	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	254	Topics in Landscape Architecture and Environmental Planning	F, SP	Examination of topical issues in landscape architecture and environmental planning	Course with Sustainability	Environment, Planning, Issues	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LDARCH	255	Doctoral Seminar in Environmental Planning	F, SP	Discussions with faculty researchers and environmental planning practitioners, and examination of topical issues in environmental planning	Course with Sustainability	Environment, Planning, Issues, Research	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Landscape+Architecture&p_dept_cd=LD+ARCH
LEGALST	176	Twentieth-Century American Legal and Constitutional History	F, SP	Includes New Deal legal innovations, tort liability, environmental regulation, judicial reform, and federalism	Course with Sustainability	Law, Environment, Regulation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Legal+Studies&p_dept_cd=LEGALST
LNS	C30U	Americans and the Global Forest	F	Challenges students to think about how individual and American consumer decisions affect forest ecosystems around the world	Sustainability Course	Consumption, Forests, Ecosystems, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Letters+and+Science&p_dept_cd=LNS
LNS	C30V	Environmental Issues	F	Issues of economic development, population, energy, resources, technology, and alternative systems	Sustainability Course	Economics, Development, Population, Energy, Resources, Technology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Letters+and+Science&p_dept_cd=LNS
LNS	C70T	The Planets	F, SP	Understanding other worlds will help us save our own planet and help us understand our place in the universe	Course with Sustainability	Planets, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Letters+and+Science&p_dept_cd=LNS

LNS	C70Y	Earthquakes in Your Backyard	F	Includes earthquake hazard and risk, with particular emphasis on the situation in California	Course with Sustainability	Earthquakes, California, Hazard, Risk, California	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Letters+and+Science&p_dept_cd=LNS
LNS	C101	Edible Education: The Rise and Future of the Food Movement	F, SP	Organic ag, school lunch reform, food safety, animal welfare, food security, farm bill, urban ag, food sovereignty, local food economies	Sustainability Course	Food, Agriculture, Sustainability, Local	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Letters+and+Science&p_dept_cd=LNS
LNS	C103	Edible Education: Telling Stories About Food and Agriculture	F, SP	Explores what can be done to make the food system healthier, more equitable, more sustainable, and the role of storytelling	Sustainability Course	Food, Health, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Letters+and+Science&p_dept_cd=LNS
MATSCI	113	Mechanical Behavior of Engineering Materials	F	Prediction and prevention of failure by yielding, fracture, fatigue, wear and environmental factors are addressed	Course with Sustainability	Materials, Environment, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Materials+Science+and+Engineering&p_dept_cd=MAT+SCI&p_path=1
MATSCI	213	Environmental Effects on Materials Properties and Behavior	F	Fracture mechanics approach to corrosion; hydrogen embrittlement; liquid metal embrittlement; corrosion fatigue; testing methods	Course with Sustainability	Materials, Methods, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Materials+Science+and+Engineering&p_dept_cd=MAT+SCI&p_path=1
MATSCI	C226	Photovoltaic Materials; Modern Technologies in the Context of a Growing Renewable Energy Market	F	Focus on fundamentals of photovoltaic energy conversion with respect to operation/design of efficient semiconductor solar cell devices	Course with Sustainability	Energy, Solar, Materials	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Materials+Science+and+Engineering&p_dept_cd=MAT+SCI&p_path=1
MBA	207	Ethics and Responsible Business Leadership	F, SP	Anticipate, critically analyze, and respond to the social, ethical, and political challenges that face managers operating in a global economy	Course with Sustainability	Business, Society, Ethics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
MBA	212	Energy and Environmental Markets	F, SP	Political economy of regulation/deregulation; climate change and environmental policies related to energy production and use; and more	Sustainability Course	Business, Environmental, Climate, Energy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
MBA	292I	Social Investing—Recent Findings in Management and Finance	F, SP	Use of ESG (environmental, social, and governance) criteria and its increasing prevalence among high net worth individuals and institutions	Course with Sustainability	Business, Management, Environmental, Society	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
MBA	292T	Topics in Socially Responsible Business	F, SP	Advanced study in the field of Socially Responsible Business	Course with Sustainability	Business, Society, Ethics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
MCB	31	Genes, Cells, and Creatures	SP	Includes question: Can we determine the size of human population that the earth can sustain?	Course with Sustainability	Biology, Population, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Molecular+and+Cell+Biology&p_dept_cd=MCELLBI
MEC ENG	140	Combustion Processes	F	Includes fundamentals of pollutant formation. Application to engines, energy production and fire safety	Course with Sustainability	Pollution, Energy, Safety	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Mechanical+Engineering&p_dept_cd=MEC+ENG
MEC ENG	146	Energy Conversion Principles	F, SP	Applications include conventional combustion, solar, wind, wave, thermoelectric, and geothermal energy systems	Course with Sustainability	Energy, Solar, Wind, Wave, Geothermnl	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Mechanical+Engineering&p_dept_cd=MEC+ENG
MEC ENG	165	Ocean-Environment Mechanics	F, SP	Physical properties of oceans. Global conservation laws. Surface-waves generation. Gravity-wave mechanics, kinematics, and dynamics.	Course with Sustainability	Oceans, Conservation, Wave	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Mechanical+Engineering&p_dept_cd=MEC+ENG
MEC ENG	290H	Green Product Development: Design for Sustainability	F, SP	Management of innovation processes for sustainable products, from product definition to sustainable manufacturing and financial models	Sustainability Course	Sustainability, Management, Manufacturing	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Mechanical+Engineering&p_dept_cd=MEC+ENG
MEC ENG	290I	Sustainable Manufacturing	F, SP	Practice and measure improvement using sustainability thinking, techniques, and tools for product and manufacturing process design	Sustainability Course	Sustainability, Manufacturing	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Mechanical+Engineering&p_dept_cd=MEC+ENG
MEC ENG	131	Vehicle Dynamics and Control	SP	Physical understanding of automotive vehicle dynamics.	Course with Sustainability	Engineering, Transportation	http://guide.berkeley.edu/courses/mec_eng/
MEC ENG	150A	Solar-Powered Vehicles: Analysis, Design and Fabrication	SU	This course addresses all aspects of design, analysis, construction and economics of solar-powered vehicles.	Course with Sustainability	Engineering, Analysis, Transportation, Economics, Energy	http://guide.berkeley.edu/courses/mec_eng/
NAT RES	24	Freshman Seminars	F, SP	Provide new students with the opportunity to explore natural resources with a faculty member in a small-seminar setting	Course with Sustainability	Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Natural+Resources&p_dept_cd=NAT+RES
NAT RES	84	Sophomore Seminar	F, SP	Seminar offers opportunity for intellectual contact between natural resources faculty members and students in their second year	Course with Sustainability	Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Natural+Resources&p_dept_cd=NAT+RES
NUC ENG	104	Radiation Detection and Nuclear Instrumentation Laboratory	SP	Lab allows for practical measurements of interest for nuclear power, nuclear and non-nuclear science, and environmental applications	Course with Sustainability	Nuclear, Energy, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	124	Radioactive Waste Management	F, SP	Characteristics, sources, compositions, heat generation; waste treatment technologies; waste disposal technologies; safety assessment	Sustainability Course	Nuclear, Waste, Safety, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	161	Nuclear Power Engineering	F	Includes thermal-hydraulic analysis of accidents in nuclear power plants and safety evaluation and engineered safety systems	Course with Sustainability	Nuclear, Energy, Safety	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	162	Radiation Biophysics and Dosimetry	SP	Evaluation and engineered safety systems	Course with Sustainability	Nuclear, Radiation, Regulation, Safety	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	167/267	Nuclear Reactor Safety	F	Principles and methods used in the safety evaluation of nuclear power plants. Safety philosophies, design criteria and regulations.	Sustainability Course	Nuclear, Safety, Analysis, Energy, Design, Regulation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	170A	Nuclear Design: Design in Nuclear Power Technology and Instrumentation	SP	In addition to technology, the design should address issues relating to economics, the environment, and risk assessment	Sustainability Course	Nuclear, Design, Economics, Environment, Risk	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	175	Methods of Risk Analysis	F	Tech risk and risk based decision making. Probabilistic safety assessment, human health risks, environmental and ecological risk analysis	Sustainability Course	Nuclear, Risk, Analysis, Health, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	221	Corrosion in Nuclear Power Systems	SP	Structural metals; aqueous corrosion of reactor components; structural integrity of reactor components, chemical environment	Sustainability Course	Nuclear, Energy, Materials	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	224	Safety Assessment for Geological Disposal of Radioactive Wastes	SP	Effect of engineered barrier alteration; overall performance assessment, uncertainty associated with assessment, regulation and standards	Sustainability Course	Nuclear, Radiation, Waste, Analysis, Regulation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	225	The Nuclear Fuel Cycle	SP	The emphasis is on the relationship between nuclear-power utilization and its environmental impacts	Sustainability Course	Nuclear, Energy, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	265	Design Analysis of Nuclear Reactors	F	Includes control and transient problems; reactor safety and licensing; release of radioactivity from reactors and fuel processing plants	Course with Sustainability	Nuclear, Problems, Safety, Design, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUC ENG	275	Principles and Methods of Risk Analysis	F	Principles and methodological approaches for the quantification of technological risk and risk-based decision making	Sustainability Course	Nuclear, Risk, Methods, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nuclear+Engineering&p_dept_cd=NUC+ENG
NUSCTX	10	Introduction to Human Nutrition	F, SP	Emphasis of the course is on issues of current interest and on worldwide problems of food and nutrition	Course with Sustainability	Food, Nutrition, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	11	Introduction to Toxicology	SP	Evaluation of toxic hazard of natural and man-made substances present in the environment, the workplace, food, drink, and drugs	Sustainability Course	Hazard, Environment, Food, Toxicology	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	104	Human Food Practices	SP	Community food and nutrition problems and programs. Food safety and consumer protection	Sustainability Course	Food, Community, Nutrition, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	110	Toxicology	F	Modern toxicology and its applications in evaluating the safety of foods, additives and environmental contaminants	Course with Sustainability	Toxicology, Safety, Food, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	C114	Pesticide Chemistry and Toxicology	SP	Chemical composition of pesticides, their mode of action, resistance mechanisms, and methods of evaluating their safety and activity	Course with Sustainability	Chemistry, Toxicology, Safety, Pesticides	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	135	Food Systems Organization and Management	SP	Production and delivery systems, management of resources, quality assurance, equipment, layout, marketing, personnel management	Course with Sustainability	Food, Management, Resources	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	C159	Human Diet	SP	Includes domestication of staple crops, modern diets and their problems, food taboos, human attitudes toward foods, and dietary politics	Course with Sustainability	Agriculture, Food, Diet, Politics, Problems	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
NUSCTX	166	Nutrition in the Community	F	Specific needs of population groups (infants, children, women, the elderly) are considered and questions of food security are investigated	Course with Sustainability	Nutrition, Food, Population	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Nutritional+Science+and+Toxicology&p_dept_cd=NUSCTX
PACS	10	Introduction to Peace and Conflict Studies	F, SP	War system/war prevention, conflict resolution/nonviolence, human rights/social justice, development/environmental sustainability	Course with Sustainability	Conflict, Rights, Justice, Development, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Peace+and+Conflict+Studies&p_dept_cd=PACS
PB HLTH	14	Healthy People: Introduction to Health Promotion	F	Intro to personal and community health. Specific areas include stress, nutrition, exercise, the environment, communication, and sexuality	Course with Sustainability	Health, Community, Nutrition, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	112	Global Health: A Multidisciplinary Examination	SP	Legal, social, political, and physical environments; economic forces; access to food, safe water, medical care; nutrition; cultural beliefs	Course with Sustainability	Health, Law, Politics, Economics, Food, Water, Nutrition, Culture, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	150B	Introduction to Environmental Health Sciences	F	Major human and natural activities that lead to release of hazardous materials into the environment and the links to human health	Sustainability Course	Health, Environment, Hazards	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	C160	Environmental Health and Development	F	Topics include water management; population change; toxics; energy development; air pollution; climate change; chemical use, etc	Sustainability Course	Health, Management, Water, Population, Energy, Pollution, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	C170B/C270B	Advanced Toxicology	SP	Interpret toxicological data and evaluate risk presented by exposures to toxic chemicals, including drugs and environmental contaminants	Course with Sustainability	Toxicology, Risk, Chemistry, Drugs, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	196/290	Drinking Water and Health	SP	Special topics in various fields of Public Health	Course with Sustainability	Health, Water	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	200C2	Environmental Health Sciences Breadth Course	F	Major human and natural activities that release hazardous materials into the environment	Course with Sustainability	Hazards, Environment, Health	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	W200F	Environmental Health Sciences Breadth Course	F	Covers the breadth of hazards from chemical, biological, and physical agents of concern to environmental health professionals	Course with Sustainability	Hazards, Environment, Health	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	206B	Food and Nutrition Policies and Programs	SP	Origins of food/nutrition improvement programs in the US; goals, design, and effectiveness of National School Lunch Program and others	Course with Sustainability	Food, Nutrition, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH

PB HLTH	206D	Food and Nutrition Programs and Policies in Developing Countries	SP	Developing countries design/implementation of policies/programs that affect access to safe, affordable, and nutritionally adequate diets	Sustainability Course	Food, Nutrition, Policy, Development, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	213A	Family Planning, Population Change, and Health	F	Relationship between family planning and health; role of family size in economic development and environmental problems	Course with Sustainability	Health, Planning, Development, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	220C	Health Risk Assessment, Regulation, and Policy	F	Intro to basic scientific components of environmental and occupational health risk assessment	Course with Sustainability	Health, Environment, Risk, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	224C	Advanced Health Care Organizations and Environments	F	Theories include bureaucracy, contingency theory, culture and climate, resource dependence, and theories of change and innovation	Course with Sustainability	Health, Environment, Culture, Climate, Resources, Change	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	C234	Green Chemistry: An Interdisciplinary Approach to Sustainability	SP	Design and production of safer and more sustainable chemicals and products	Sustainability Course	Chemistry, Design, Sustainability	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	C253	Foundations of Public Health	SP	Includes respiratory disease and air pollution; tobacco control; environmental control and prevention of schistosomiasis; behavior change	Course with Sustainability	Health, Pollution, Environment, Behavior	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	266A	Foodborne diseases	F	Public health, microbiological, social, and economical issues in foodborne diseases; also heavy metals, pesticides, and toxic chemicals	Course with Sustainability	Health, Economics, Hazards, Food	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	267B	Characterization of Airborne Contaminants	SP	Behavior of gases/vapors/aerosols; mechanisms of absorption/elimination of inhaled toxicants; measuring airborne chemicals and particles	Sustainability Course	Health, Air	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	267D	Health Impact Assessment	SP	Inform and improve social decisions in order to improve environmental, economic, and social conditions for optimal population health	Sustainability Course	Health, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	269E	Current Topics in Environmental Medicine	F	Covers established environmental diseases as well as impacts of some emerging exposures of concern	Sustainability Course	Health, Environment, Disease	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	270	Introduction to Environmental Health Sciences	F	Course covers the breadth of hazards to chemical, biological, and physical agents of concern to environmental health professionals	Sustainability Course	Health, Hazards, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	270A	Exposure Assessment and Control	F	Methods and procedures for the estimation and control of human exposure to chemical, physical, and biological agents of concern	Sustainability Course	Health, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	270C	Practical Toxicology	SP	This course will focus on cutting-edge issues involving real-world toxicology in drug discovery, pesticide regulation, stem cell research, etc	Course with Sustainability	Toxicology, Issues, Pesticides, Drugs	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	271E	Science and Policy for Environment and Health	SP	Paradigms including the precautionary principle and environmental justice; and key elements of risk assessment and cost-benefit analysis	Sustainability Course	Health, Environmental Justice, Risk, Analysis	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	271G	Global Environmental Change for Health Scientists	SP	Epidemiologic, risk assessment, and statistical methods appropriate for understanding the impact of climate on health in populations	Sustainability Course	Health, Environment, Risk, Analysis, Climate, Change, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	272A	Geographic Information Science for Public and Environmental Health	SP	Introductory knowledge of past, present, and possible future applications of GIS for health and environmental studies	Course with Sustainability	GIS, Health, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	272B	Case Studies in Environmental and Occupational Epidemiology	SP	Will focus on key epidemiologic methods as they arise in the study of environmental hazards in the community and workplace	Course with Sustainability	Health, Environment, Hazards	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Health&p_dept_cd=PB+HLTH
PB HLTH	170C	Drinking Water and Health	SP	The course covers monitoring, control and regulatory policy of microbial, chemical and radiological drinking water contaminants	Course with Sustainability	Water, Health	http://guide.berkeley.edu/courses/pb_hlth/
PB HLTH	214	Eat.Think.Design	SP	Working with community partners on a public health issue related to food	Course with Sustainability	Food, Health	http://guide.berkeley.edu/courses/pb_hlth/
PB HLTH	271C	Drinking Water and Health	SP	The course covers monitoring, control and regulatory policy of microbial, chemical and radiological drinking water contaminants.	Course with Sustainability	Water, Health	http://guide.berkeley.edu/courses/pb_hlth/
PHILOS	108	Contemporary Ethical Issues	F, SP	Discussion of problems in moral philosophy raised by real-life questions of individual conduct and social policy; includes climate change	Course with Sustainability	Ethics, Policy, Climate	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Philosophy&p_dept_cd=PHILOS
PMB	10	Plants, Agriculture, and Society	F	Interactions between plants and the environment, and effects of human industrial and agricultural activity on plant ecosystems	Sustainability Course	Agriculture, Society, Plants, Ecosystem	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Plant+Biology&p_dept_cd=PLANTBI
PMB	40	The (Secret) Life of Plants	SP	Basics of genetic engineering and biotechnology reveal how they are used to modify plants, and these socially relevant issues are assessed	Course with Sustainability	Biotechnology, Society, Plants	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Plant+Biology&p_dept_cd=PLANTBI
PMB	122/222	Bioenergy	SP	Global energy, chemistry of climate change, biofuels from biological perspective	Sustainability Course	Energy, Global, Climate, Biofuel	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Plant+Biology&p_dept_cd=PLANTBI
PMB	C124/C224	The Berkeley Lectures on Energy: Energy from Biomass	F	After an introduction to the different aspects of our global energy consumption, the course will focus on the role of biomass	Sustainability Course	Energy, Global, Climate, Biofuel	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Plant+Biology&p_dept_cd=PLANTBI
PMB	180	Environmental Plant Biology	SP	Physical parameters in global and micro-environment that affect plant function; plant response to suboptimal/adverse conditions	Course with Sustainability	Global, Environment, Plant	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Plant+Biology&p_dept_cd=PLANTBI
POLSCI	124C	Ethics and Justice in International Affairs	F, SP	Moral questions including "Who should pay for global environmental damage?" analyzed through the individual's sense of obligation	Course with Sustainability	Ethics, Justice, Environment, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Political+Science&p_dept_cd=POL+SCI
POLSCI	226A	International Political Economy		Creation, maintenance, and decay of arrangements that manage trade, money, resource use, technology, and physical environment	Course with Sustainability	Politics, Economics, Technology, Resources, Environment, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Political+Science&p_dept_cd=POL+SCI
PUB POL	101	Introduction to Public Policy Analysis	F, SP	A systematic and critical approach to evaluating and designing public policies. Includes environmental policy	Course with Sustainability	Policy, Analysis, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Policy&p_dept_cd=PUB+POL
PUB POL	C184/C284	Energy and Society	F, SP	Energy sources, uses, and impacts: introduction to the technology, politics, economics, and environmental effects of energy in society	Sustainability Course	Energy, Society, Impacts, Technology, Economics, Politics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Policy&p_dept_cd=PUB+POL
PUB POL	C253	International Economic Development Policy	F	Development/application of policy to developing-world problems related to poverty, macroeconomics, and environmental sustainability	Course with Sustainability	Development, Policy, Poverty, Environment, Sustainability, Global	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Public+Policy&p_dept_cd=PUB+POL
SOC WEL	293	Social Welfare Theory: Policy Implications	SP	Major theoretical perspectives include institutionalism, welfare pluralism, regulationism, multiculturalism, ecologism, developmentalism	Course with Sustainability	Policy, Welfare, Regulation, Development	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Social+Welfare&p_dept_cd=SOC+WEL
SOCIO	C126	Social Consequences of Population Dynamics		Includes, resource issues, economic development, the environment, population control, family planning, birth control, aging	Course with Sustainability	Sociology, Population, Resources, Development, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Sociology&p_dept_cd=SOCIO
SOCIO	137AC	Environmental Justice: Race, Class, Equity, and the Environment	SP	Environmental justice, analyzing the implications of race, class, labor, and equity on environmental degradation and regulation	Sustainability Course	Environmental Justice, Race, Labor, Regulation	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Sociology&p_dept_cd=SOCIO
UGBA	107	The Social, Political, and Ethical Environment of Business	F, SP	Business in development of social values, goals, and national priorities. Expanding role of corporations in dealing with social problems	Course with Sustainability	Business, Society, Ethics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	170	Business Ethics for the 21st Century	F, SP	Enhance the ability of students to anticipate, critically analyze, and appropriately respond to the wide-range social and ethical issues	Course with Sustainability	Business, Society, Ethics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	178	Introduction to International Business	F, SP	A survey involving environmental, economic, political, and social constraints on doing business abroad	Course with Sustainability	Business, Global, Economics, Environment	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	192A	Leading Nonprofit and Social Enterprises	F, SP	Prepares students conceptually and practically to found, lead, and manage organizations in the nonprofit sector	Course with Sustainability	Business, NGO, Management	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	192N	Topics in Non-Profit Management.	F, SP	Advanced study in the field of non-profit management that will address current and emerging issues	Course with Sustainability	Business, Non-profit, Management	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	192P	Strategic Corporate Social Responsibility and Consulting Projects	F, SP	Course will examine best practices used by companies to engage in socially responsible business practices	Course with Sustainability	Business, Society, Ethics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	192T	Topics in Corporate Social Responsibility	F, SP	Advanced study in the field of corporate social responsibility that will address current and emerging issues	Course with Sustainability	Business, Society, Ethics	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGBA	195S	Entrepreneurship To Address Global Poverty	F, SP	Explores poverty and entrepreneurship before focusing on various markets like health, housing, education, energy, ag, and finance	Course with Sustainability	Business, Poverty, Energy, Health	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Business+Administration&p_dept_cd=BUS+ADM&p_path=*
UGIS	176	Ensuring Food Safety: Role of Producers, Consumers, and Public Health Agencies	SP	Facilitating/enhancing efforts by public health agencies, food producers, manufacturers, distributors, and others, to ensure food safety	Course with Sustainability	Food, Safety, Health	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Undergraduate+and+Interdisciplinary+Studies&p_dept_cd=UGIS
UGIS	187	Environmental Regulation and Policy	F	Challenges in environmental protection goals, including climate change, and tensions with economic/societal imperatives	Sustainability Course	Environment, Regulation, Climate, Policy	http://general-catalog.berkeley.edu/catalog/gcc_list_crse_req?p_dept_name=Undergraduate+and+Interdisciplinary+Studies&p_dept_cd=UGIS
UGIS	176	Ensuring Food Safety: Role of Producers, Consumers, and Public Health Agencies	SP	The course offers students an opportunity to gain insights into how the knowledge and expertise they acquire during their university studies can be applied to facilitating or enhancing efforts by public health agencies (local, state, national, and international) and by food producers, food manufacturers, food distributors, and other pertinent industry, to ensure food safety.	Course with Sustainability	Food, Food Systems, Health	http://guide.berkeley.edu/courses/ugis/
UGIS	176B	Green Governance	SP	Creating a sustainable world by understanding policy and the global market.	Sustainability Course	Business, Environment, Energy, Policy	http://guide.berkeley.edu/courses/ugis/
DECALS							
ESPM	98/198	The Environmental Issue In Film: Avatar to Wall-E	F	Communicate how current environmental problems/topics are presented and portrayed through feature length films and documentaries	Sustainability Course	Environment, Problems, Film	http://www.dec.org/courses/1884

ERG	98/198	ENERGY DeCal	F	Course will give an intro to energy topics and explore the social, environmental and economic consequences of our carbon-based economy	Sustainability Course	Energy, Environment, Economics, Carbon	http://www.decal.org/courses/1842
EDU	98/198	Foundation for Sustainable Development: Argentina	F	Working with the Foundation for Sustainable Development in designing a project that will be implemented in Salta, Argentina by students	Sustainability Course	Development, Sustainability	http://www.decal.org/courses/1870
GEO	98/198	American Folklore of Appalachia: Narrative, Natural Resources, and Oppression	F	What stories are known/told about this area with environmental justice struggles, poverty, militant organizing, and cultural oppression?	Course with Sustainability	Environmental Justice, Poverty, Culture	http://www.decal.org/courses/1931
ECON	98/198	China's Energy Needs	F	Focus on domestic issues such as China's emerging green energy industry; its reliance on coal-fired electric plants, environmental issues	Sustainability Course	Energy, Environment, China	http://www.decal.org/courses/1910
AMERST	98/198	Rethinking Water	F	Focus on the interconnectedness of contemporary issues with water, energy and food and how they may be responded to	Sustainability Course	Water, Energy, Food	http://www.decal.org/courses/1944
CIV ENG	98/198	Sustainable Transportation, Smartphones, and You!	F	How interdisciplinary studies like engineering, planning, politics, and psychology work together to promote green transportation choices	Sustainability Course	Transportation, Sustainability, Planning, Politics	http://www.decal.org/courses/1936
ESPM	98/198	Strawberry Creek Restoration Project	F, SP	Opportunities to physically modify your campus in an effort to restore Strawberry Creek to a more native setting	Course with Sustainability	Restoration, Local	http://www.decal.org/courses/1957
ESPM	98/198	Berkeley Urban Garden Internship	F	Different dimensions of today's food system and to different players who participate in, study, or work to change the food system	Course with Sustainability	Food, Local, Garden	http://www.decal.org/courses/1964
NST	98/198	Bare Abundance: The Excess and Inequity of Our Food System	SP	Learn about, discuss, critique, and participate in the local food justice movement	Sustainability Course	Food, Justice	http://www.decal.org/courses/2107
ERG	98/198	Energy Efficiency & Alternative Fuels	F, SP	Course will give an intro to energy topics and explore the social, environmental and economic consequences of our carbon-based economy	Sustainability Course	Energy, Environment, Economics, Carbon	http://www.decal.org/courses/2108
LEGALST	98/198	Law and Our Food	SP	Discuss the role of government, lawyers, industries, and consumers in regards to our nation's food supply and overall health implications	Course with Sustainability	Law, Food, Health	http://www.decal.org/courses/1991
CIV ENG	98/198	The Quantified Self and Transportation	SP	Will teach students how to look into their health life, character, and long time habits to understand what they can do to make a change	Course with Sustainability	Transportation, Health, Behavior	http://www.decal.org/courses/2133
IB	98/198	The Blue Planet: Water In Our World	SP	Chemistry of water, complex ecosystems, human rights and public policy linked to water; the interconnected world of water	Course with Sustainability	Water, Chemistry, Ecosystems, Rights, Policy	http://www.decal.org/courses/2144
ESPM	98/198	Organic Gardening & Food Justice	SP	Intro to basic theories and methods of organic gardening, and opportunity for gardeners to practice skills and grow organic food	Sustainability Course	Food, Justice, Organic, Garden	http://www.decal.org/courses/2177
ESPM	98/198	Berkeley in the Global Food System	F, SP	Analyze social, economic, and environmental areas related to food systems and explore contemporary issues/solutions to these problems	Sustainability Course	Food, Environment, Local, Global	http://www.decal.org/courses/2195
IAS	98/198	Thirst: Water and International Human Rights	F	A solution oriented, multi-disciplinary approach to human rights and water	Course with Sustainability	Water, Rights	http://www.decal.org/courses/2239
CIV ENG	98/198	Smartphones, Persuasive Technology, & You!	F, SP	Allow students to examine their personality, health, environmental impacts, and long-term habits	Course with Sustainability	Health, Environment, Behavior, Technology	http://www.decal.org/courses/2302
IB	98/198	Human Health and the Organic Garden	F	Explore material from the IB department to better understand the benefits plant based nutrition and medicine have on human health	Course with Sustainability	Health, Organic, Garden, Nutrition	http://www.decal.org/courses/2425
ESPM	98/198	Environmental Student Organizations at Cal	SP	Contacts, resources, and support needed to become empowered and integrate themselves into a campus full of environmental clubs	Course with Sustainability	Environment, Organization	http://www.decal.org/courses/2584
ESPM	98/198	Reading, Writing, and Realizing our Environment	SP	Understanding of, and engagement with, life of Berkeley in the Bay Area; experiment with creative forms to express relationship to place	Course with Sustainability	Environment, Writing, Local	http://www.decal.org/courses/2624
ESPM	98/198	Student Environmental Activism	SP	To introduce students to environmental activism and to inspire involvement within the campus environmental community	Course with Sustainability	Environmental activism, Campus community	http://www.decal.org/courses/3014
ENVDES	98/198	Building Sustainability at Cal	SP	Course will provide students with introductory knowledge of waste, energy, environmental education, and sustainable design	Sustainability Course	Sustainability, Waste, Climate, Education	http://www.decal.org/courses/3098
ESPM	98/198	Human and Ecosystem Health	SP	Introduces students to the intersections of human, animal and environmental health	Course with Sustainability	Health, Ecosystems, Humans	http://www.decal.org/courses/3045
EDU	198	Foundation for Sustainable Development: Education in Bolivia	F	This DeCal is an introductory course that focuses on international sustainable development, specifically education in Bolivia.	Course with Sustainability	Education, Sustainability, Development	http://www.decal.org/courses/2272
ESPM	98/198	Reading And Writing Nature	F	The goal is to develop greater ecological awareness emphasizes interdisciplinary thought, intense discussion amongst our peers, and mindful, active, exploratory interactions with our surroundings.	Course with Sustainability	Nature, Writing, Intedisciplinary, Ecology	http://www.decal.org/courses/2383
EDU	98/198	Leadership and Justice: The Knowledge for Human Rights!	F, SP	Students learn how to use theories from a wide range of disciplines to analyze leadership and find solutions to social issues on the micro and macro scales.	Course with Sustainability	Interdisciplinary, Human Rights, Social Movements	http://www.decal.org/courses/2516
IAS	98/198	Water and Human Rights	F, SP	Exploring the realms of law, public policy, governance, sociology, environmental science, economics, history, and philosophy and their relationship to water and discourses of human rights	Course with Sustainability	Interdisciplinary, Human Rights, Social Movements, Water	http://www.decal.org/courses/2600
ESPM	98/198	Communicating Sustainability	F	This class aims to encourage students to collaborate and critically assess the ways in which environmental issues are presented via various media outlets.	Sustainability Course	Interdisciplinary, Media, Sustainability	http://www.decal.org/courses/3602
ESPM	98/198	Cooperatives: Alternative Business Models for a Resilient Economy	F	This course outlines the history of the cooperative movement.	Course with Sustainability	Business, Food, Environment, Economy	http://www.decal.org/courses/3765
ESPM	98/198	Introduction to Sustainability at Cal	F	This course provides information about the various organizations and research on sustainability that is done on campus.	Sustainability Course	Environment, Organizations, Sustainability, Research	http://www.decal.org/courses/serc
ESPM	98/198	Depicting the Natural World with Words of the Watershed	F, SP	This course will introduce students to themes of creative expression in environmentalism, provide a platform to practice art and writing, and engage students in the magazine production process.	Course with Sustainability	Journalism, Environment, Writing	http://www.decal.org/courses/3792
ESPM	98/198	Ecofeminism	F	We will explore ecology and feminism separately and together in order to expand our understanding of the earth.	Course with Sustainability	Feminism, Ecology	http://www.decal.org/courses/3760
ERG	98/198	Sustainable Energy for a Greener Tomorrow	F	This course will give an introduction to energy topics and explore the social, environmental and economic consequences of our carbon-based economy.	Sustainability Course	Energy, Environment, Economics	http://www.decal.org/courses/3709
ESPM	98/198	Garden Leadership and Management	F	This DeCal is meant to help mature projects so they become meaningful and impactful in the garden and greater community.	Course with Sustainability	Gardening	http://www.decal.org/courses/3761
CEE	98/198	Cal Environmental Team	F	We will develop prototype filters and adapt novel water treatment techniques to the scale of the competition.	Course with Sustainability	Water, Engineering, Chemistry	http://www.decal.org/courses/3733
NUSCTX	98/198	Hungry Bears	F	This course is designed to introduce students to the basic concepts involving grocery shopping, cooking, and nutrition.	Course with Sustainability	Food	http://www.decal.org/courses/3689
FILM	98/198	Filmmaking For Activists (FFA)	F	Our course will emphasize film production skills by hosting various workshops in collaboration with other film organizations on and off campus.	Course with Sustainability	Film, Social Movements	http://www.decal.org/courses/3646
NUSCTX	98/198	Environmental, Nutritional & Social Aspects Influencing Our Food System	F	This DeCal class will teach students about the current environmental, nutritional and social influences on innovation in the food industry.	Course with Sustainability	Food, Environment, Business	http://www.decal.org/courses/3638
CY PLAN	98/198	Issues in Affordable Housing and Poverty	F	The class will focus on the promotion of affordable housing and green housing.	Sustainability Course	Housing, Sustainability	http://www.decal.org/courses/3651
NUC ENG	98/198	STEMing Out to Build Futures	F	This course giving analyzes the achievement gap in education its correlation with racial and socioeconomic background, especially in the STEM fields	Course with Sustainability	Education, Race, Socioeconomic	http://www.decal.org/courses/3734
NUSCTX	98/198	Fruitful Minds	F	UC Berkeley students will serve as Ambassadors for Fruitful Minds, a nutrition education program aimed at local urban youth, ages 9 to 14, to address childhood obesity.	Course with Sustainability	Food, Education	http://www.decal.org/courses/3754
ESPM	98/198	Treecal: The Love and Science of Trees	F	The goal of this course is to discuss the biological beauty and ecological complexity of trees.	Sustainability Course	Trees, Environment, Ecology, Forestry	http://www.decal.org/courses/3660
EDU	98/198	Cal in the Community: Introduction to Public Service at UC Berkeley	F	Students will learn different approaches within public service.	Course with Sustainability	Education, Public Service	http://www.decal.org/courses/3758
PHYS	98/198	Bicycle Mechanics & Repair	F	Course will discuss bicycle safety, preventive maintenance, road awareness/rules, theft prevention, safety gear.	Course with Sustainability	Prevention, Maintenance	http://www.decal.org/courses/3779
COLWRIT	98/198	Peace Corps DeCal	F	Through the Berkeley Peace Corps DeCal, students will be able to learn about the Peace Corps experience and perspectives of various returning volunteers.	Course with Sustainability	Volunteering	http://www.decal.org/courses/3790
MCB	98/198	Stem Cells: Science and Society	F	After taking this course, you will have a basic understanding of the science behind stem cell research, its applications and potential, its controversial aspects, and its role in society.	Course with Sustainability	Research, Stem Cells	http://www.decal.org/courses/3788

Sustainability Course:
Course with Sustainability:

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