Last Updated 6/09/2015

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
					This course covers alternative models of production, resource and environmental	
Economics and Policy of					risk management; family production function; adoption and diffusion; innovation and	
Production, Technology and Risk					intellectual property rights; agricultural and environmental policies and their impact	201 and 202, or Economics
in Agricultural and Natural	Agricultural and				on production and the environment; water resources; pest control; biotechnology;	201A-201B, or consent of
Resources, (A,RESEC 241)	Resource Economics	Daniel Zilberman	Fall 2014	Graduate	and optimal control over space and time.	instructor.
					Empirical aspects on international trade, foreign investment, and the environment.	
					Issues related to testing various trade models. Topics include: testing trade models	
					(HO, Ricardo, Specific Sector); gravity models; linkages between openness and	
					growth; trade orientation and firm performance; pattern of trade; trade and the	
					environment; labor markets and trade. New topics in international trade with	
Empirical International Trade and	Agricultural and				empirical applications, such as trade models with heterogeneous firms, outsourcing	
Investment, (A,RESEC 232)	Resource Economics	Staff	Before Spring 2013	Graduate	and foreign investment.	
Issues and Concepts in					History, institutions, and policies affecting agriculture markets and environmental	
Agricultural Economics,	Agricultural and				quality. Producer behavior over time and under uncertainty. Asset fixity and	Economics 201A-201B or
(A,RESEC 202)	Resource Economics	J.M. Perloff, S.B. Villas-Boas	Spring 2015	Graduate	agricultural supply models.	consent of instructor.
					Basic concepts of micro and welfare economics: partial and general equilibrium.	
Production, Industrial	A surface the second				Industrial organization: monopolistic competition, vertical integration, price	
Organization, and Regulation in	Agricultural and		5-11 0015	Que du ata	discrimination, and economics of information with applications to food retailing,	Economics 201A or equivalent
Agriculture (A,RESEC 201)	Resource Economics	L.S. Karp, D.L. Sunding	Fall 2015	Graduate	cooperatives, fishing, and energy.	or consent of instructor.
The Arthursen de mule for a d					This course examines the place of food in society and includes discussions of	
The Anthropology of Food,	A	01-#	5-11 0015	Lin da sera de ata	identity, taste, taboos, ritual, traditions, nationalism, nealth, alconol use, civilizing	
(ANTHRO 140)	Anthropology	Staff	Fall 2015	Undergraduate	society, globalism, and the global politics of food.	-
					Since the end of the Pleistocene and especially with the development of	
					agriculturally based societies numans have had cumulative and often irreversible	
					impacts on natural landscapes and blotic resources wondwide. Thus global	
					change" and the biodiversity crisis are not exclusively developments of the industria	4
Hele and Bele and the set line					and post-industrial world. This course uses a multi-disciplinary approach, drawing	
Holocene Paleoecology: How					upon methods and data from archaeology, palyhology, geomorphology,	Either Anthropology 2 on Dislog
Humans Changed the Earth,	A	12 mark		Lin da sera de ata	paleontology, and historical ecology to unravel the broad trends of human	Elther Anthropology 2 or Biology
(ANTHRO C129D)	Anthropology	Kirch	Spring 2014	Undergraduate	ecodynamics over the past 10,000 years. Also listed as Anthropology C129D.	1A.
Urban Farming (ARCH 202)	Architecture	Renee Cnow	Fall 2014	Graduate	This second is interval of the interval on a students to a constant of finite that fall we don't be	
					This course is intended to introduce students to a variety of fields that fail under the	
					biotechnology umbrella. In general, these fields include medical, microbial,	
					agricultural, animal, and forensic blotechnology. Students in this course will ream	00L (must be taken
Distashaslasu (DIO ENC 22)	Disessingering	L Lee Duesk	Defere Cell 2012	Lindergraduate	the types of blotechnology projects currently being worked on, as well as the	22L (must be taken
Biotechnology, (BIO ENG 22)	Bioengineening	L. Lee, Dueck	Belore Fall 2013	Undergraduate	techniques and assays used within these projects.	concurrentiy).
					Evaluration of common origins of urban planning and public boolth, from why and	
					how the fields concreted and strategies to recomposit them to addressing urban	
					hoolth inequities in the 21st century Inquiry to influences of urban negulation health	
					analysis of determinants, and roles that sity planning and public health agencies, a	, +
	City and Regional				analysis of determinants, and foles that city planning and public field in agencies - a	
Healthy Cities (CPP 256)	Planning	lason Corburn	Eall 2014	Graduata	health. Measures, analysis, and design of policy strategies are explored	·
Treating Cities, (CRF 250)		Jason Corbuin	1 811 2014	Giaduale	Exploration of solocted important technologies that some major societal needs	+
					such as shelter water food, energy and transportation, and waste management	Graduate standing or concent o
					How specific technologies or technological systems do or do not contribute to a	instructor. Must be taken on a
Technologica for Sustainable	Civil and Environmental				now specific technologies of technological systems do of do not contribute to a	actiofactory/upostiofactory
Societies (CIV ENG 202A)	Engineering	Honyath Agogino	Eall 2015	Graduata	student and faculty interacts	basis
Societies, (OIV LIVE 232A)	Lingineering	Horvath, Agogino	1 81 2015	Claddate	This course examines whether and how economic processes explain shifting	00010.
					formations of race and differential experiences among racial groups in U.S.	
					agricultural and environmental systems. It approaches economic processes as	
Economics of Race Agriculture					organizing dynamics of racial differentiation and integration, and uses comparative	1 or one lower division course
and the Environment (ENVECON	Environmental				experience among different racial and ethnic groups as sources of evidence against	in a social science or consent
	Economics and Policy	leffrey M. Romm	Before Fall 2013	Undergraduate	which economic theories of differentiation and integration can be tested	of instructor
140/10/				Chacigradade	Organization and performance of agricultural and resource markets. Conduct of	
					firms within those markets, such as price competition, product differentiation	
					ninns within those markets, such as price competition, product differentiation,	
Industrial Organization with					public policy in the markets. Case studies include oil cartel OPEC agricultural	
Applications to Agriculture and					cooperatives, vertical integration of food processors and franchising of fast-food	
Natural Resources (ENVECON	Environmental				chains. Discussion sections cover empirical applications of theory presented during	
142)	Economics and Policy	Staff	Spring 2015	Undergraduate	lectures for current environmental and agricultural policies	
					Models of nonulation growth chaos life tables and Leslie matrix theory. Harvesting	1
					and exploitation theory. Methods for analyzing population interactions, predation	
					competition. Eisheries forest stands and insect nest management. Constic aspects	
					of population management. Mathematical theory based on simple difference and	1
Modeling and Management of					ordinary differential equations. Use of simulation packages on microcomputers	
Biological Resources (ENIVECON	Environmental				(nrevious experience with computers not required) Also listed as Environ Sci	
C115)	Economics and Policy	Wayne M. Getz	Fall 2015	Undergraduate	Policy, and Management C104.	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
		(This course takes an interdisciplinary approach to the complex interactions between	
					population, environmental change, and economic development, including the	
					leading theories for understanding these interactions. The origins and history of	
					current debates are discussed as well as some of the major issues stemming from	
					these depates, such as immigration, international trade, family planning policies and	
Population Environment and	Environmontal				fresh water, food supply, and forest cover are analyzed as case studies. Policy	
Development (ENIVECON 153)	Economics and Policy	Bobin Marsh	Spring 2014	Lindergraduate	inesti water, 1000 supply, and 10 est cover are discussed	
Development, (LIVECON 133)	Economics and Folicy	Robin Marsh	Spring 2014		Introduction to the economic framework underlying the use of technology to address	
					rural poverty in developing countries. Analyzes the path of technology to address	
					from innovation and design to the adoption and use of technology in rural	
Economics of Poverty and	Environmental				economies. Focuses on technologies related to agricultural production, processing.	
Technology, (ENVECON 154)	Economics and Policy	Sara Boettiger	Spring 2014	Undergraduate	market access, value chains, and climate change.	
		Ŭ				
					This course challenges students to think about how individual and American	
					consumer decisions affect forest ecosystems around the world. A survey course that	
					highlights the consequences of different ways of thinking about the forest as a	
					global ecosystem and as a source of goods like trees, water, wildlife, food, jobs, and	
					services. The scientific tools and concepts that have guided management of the	
Americans and the Global Forest	Environmental Science,				forest for the last 100 years, and the laws, rules, and informal institutions that have	
(ESPM C11)	Policy, and Management	Lynn Huntsinger	Spring 2015	Undergraduate	shaped use of the forests, are analyzed. Also listed as Letters and Science C30U.	
	L					
Soil Pollution and Remediation	Environmental Science,		F # 00.45			
(ESPM 24)	Policy, and Management	Pallud	Fall 2015	Undergraduate	Freshman seminar	
Creating a Sustainable	En incontrat Oniona					
Landscape: On-Campus	Environmental Science,	Minuel Altieri	Fall 2015	Lindergreducte	Disected aroun study in ECDM	
Gardening (ESPM 98/198)	Policy, and Management		Faii 2015	Undergraduate	Directed group study in ESPM	
Garden Leadership and	Environmental Science					
Management (ESPM 98/198)	Policy and Management	Pallud	Fall 2015	Undergraduate	Directed aroun study in ESPM	
	i olioy, and management		1 011 2010	Chaerghaddate	Models of population growth chaos life tables and Leslie matrix theory Harvesting	
					and exploitation theory. Methods for analyzing population interactions, predation	
					competition Fisheries forest stands and insect pest management. Genetic aspects	
					of population management. Mathematical theory based on simple difference and	
Modeling and Management of					ordinary differential equations. Use of simulation packages on microcomputers	
Biological Resources, (ESPM	Environmental Science,				(previous experience with computers not required). Also listed as Environmental	Two years of calculus or
C104)	Policy, and Management	Wayne M. Getz	Fall 2015	Undergraduate	Economics and Policy C115.	consent of instructor
· · · · · · · · · · · · · · · · · · ·	2: 2			¥	An introduction to how culture affects the way we use and manage fire,	
					wildland and urban forests, rangelands, parks and preserves, and croplands	
					in America. The basic concepts and tools for evaluating the role of culture in	
Introduction to Culture and					resource use and management are introduced and used to examine the	
Natural Resource Management	Environmental Science				experience of American cultural groups in the development and	
(ESPM 50 AC)	Policy and Management	Sprever K	Fall 2015	Undergraduate	management of western natural resources	
	i olog, and management		1 41 2010	Chaerghadade	This course will develop principles of ecosystems ecology emphasizing terrestrial	
	Environmental Science.	Dennis D. Baldocchi, Whendee			ecosystems, and will consider how these principles apply to ecosystem recovery	Prerequisites: Bio 1B: Formerly
Ecosystem Ecology, (ESPM 111)	Policy, and Management	Silver	Spring 2015	Undergraduate	and to regional and global fluxes of carbon and nutrients.	C111. Integrative Biology C155
	2. 0					
					Introduction to fish ecology, with particular emphasis on the identification and	
					ecology of California's inland fishes. This course will expose students to the	
1					diversity of fishes found in California, emphasizing the physical (e.g., temperature,	1
	Environmental Science,				flow), biotic (e.g., predation, competition), and human-related (e.g., dams, fisheries)	
Fish Ecology, (ESPM C115C)	Policy, and Management	Stephanie M. Carlson	Fall 2013	Undergraduate	factors that affect the distribution, diversity, and abundance of these fishes.	
					An ecosystem approach to the study of urban gardens with an organic perspective.	
					lopics include fundamentals of horticulture, soil properties and fertility, pest and	
					disease management, and food perservation. Laboratories include methods in	
					garden design, plant propagation, compost technique, soil preparation, irrigation	
Urbon Agriculture (ESDM 117)	Environmental Science,	Miguel Altion	Foll 2015	Lindorgraduato	systems, pest management, individual of group projects, demonstrations, and	
	IF oncy, and Management		1 aii 2013		นเองขออเงแอ.	
					Examines in a holistic framework fundamental biological technical socio-economic	
					and political processes that govern agroecosystem productivity and stability	
1	Environmental Science.				Management techniques and farming systems' designs that sustain longterm	
Agricultural Ecology, (ESPM 118)	Policy, and Management	Miquel Altieri	Fall 2015	Undergraduate	production are emphasized. One Saturday field trip and one optional field trip.	1
<u> </u>	, sey, and management				Introduction to physical, engineering, chemical, and biological properties of soil:	
1					methods of soil description, identification, geographic distribution and uses: the role	1
1					of soil in supplying water and nutrients to plants; and soil organisms. Soil	
1	Environmental Science,				management for agriculture, forestry, and urban uses will also be discussed.	
Soil Characteristics, (ESPM 120)	Policy, and Management	Pallud	Fall 2015	Undergraduate	Includes a Saturday field trip.	Chemistry 1A, 3A

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
					Introduction to the organisms that live in the soil and their activities in the soil ecosystem. Lectures will cover the physical and chemical properties of soils and the soil as a babitat for microorganisms, the diversity and ecology of soil	
					microorganisms, and their activity in the context of biogeochemical cycling, plant- microbe interactions, global environmental change and bioremediation. Goals: To	
					gain fundamental knowledge of the occurrence and activities of son microorganisms and their influence on soil productivity and environmental quality as well as potential applications of soil microbiology. This course is targeted at advanced undergraduate	
					and beginning graduate students who require a comprehensive treatment of the field of soil microbiology. Topics will include: Soil as a habitat for microorganisms, Occurrence and distribution of coil arganisms. Mathod for studying soil.	
Soil Microbial Ecology, (ESPM 131)	Environmental Science, Policy, and Management	Firestone	Spring 2015	Undergraduate	microorganisms, Carbon cycling and soil organisms, methods to studying soil nutrients and metals, Xenobiotic degradation and bioremediation.	Biology 1A-1B.
Pesticide Chemistry and Toxicology, (C148)	Environmental Science, Policy, and Management	John E. Casida	Spring 2015	Undergraduate	Chemical composition of pesticides and related compounds, their mode of action, resistance mechanisms, and methods of evaluating their safety and activity. Also listed as Nutritional Sciences and Toxicoloov C114.	Introductory courses in organic chemistry and biology, or consent of instructor.
Sociology and Political Ecology of	Environmental Science			· · · · · · · · · · · · · · · · · · ·	Sociology and political ecology of agro-food systems; explores the nexus of agriculture, society, the environment; social and environmental impact analysis; alternative social movement initiatives fair trade food instruction for wavereignty.	
Agro-Food Systems , (ESPM 155)	Policy, and Management	Kathyrn De Master	Fall 2015	Undergraduate	organic farming, urban agriculture. Most of the world's lands and seas occur outside of protected ares, so this course	
					examines biodiversity conservation in "working landscapes" like farms, ranches, and urban areas. Students will study fundamental concepts in ecology and conservation biology, and evaluate cases studies to assess how conservation participates have available and which are working. Students will exit a bill be	Pielogy IP is required: ESDM
Biodiversity Conservation in Working Landscapes (ESPM 158)	Environmental Science, Policy, and Management	Claire Kremen	Spring 2015	Undergraduate	evaluating and summarizing scientific literature, and in-depth knowledge of conservation in practice.	C103/Integrative Biology C156 or other ecology course desired
					Since we eat every day, wouldn't it be useful to learn more about human dietary practices? A broad overview of the complex interrelationship between humans and their foods. Topics include the human dietary niche. biological variation related to	
Human Diet (ESPM C150)	Environmental Science,	Katharine Milton	Spring 2015	Undergraduate	diet, diet and disease, domestication of staple crops, food processing techniques and development of regional cuisines, modern diets and their problems, food taboos, human attitudes toward foods, and dietary politics. Also listed as Nutritional Sciences and Toxicology C159	
	i oloy, and wanagement				History of the American environment and the ways in which different cultural groups have perceived, used, managed, and conserved it from colonial times to the present. Cultures include American Indians and European and African Americans.	
American Environmental and	Environmental Science,	R N. Chaptor	Eall 2015	Lindergraduate	Natural resources development includes gathering-hunting-fishing; farming, mining, ranching, forestry, and urbanization. Changes in attitudes and behaviors toward nature and past and present conservation and environmental movements are also augmined. Also listed as listen; 42040.	
Bioethics and Society. (ESPM	Environmental Science.		1 all 2013	Undergraduate	Exploration of the ethical dilemmas arising from recent advances in the biological sciences; genetic engineering, sociobiology, health care delivery, behavior	
162)	Policy, and Management	Kendra Klein	Fall 2015	Undergraduate	modification, patients' rights, social or private control of research. Overview of the field of environmental justice, analyzing the implications of race,	
					class, labor, and equity on environmental degradation and regulation. Environmental justice movements and struggles within poor and people of color communities in the U.S., including: African Americans, Latino Americans, and Native	
Environmental Justice: Race, Class, Equity, and the	Environmental Science,	Dere O'Deurlie	Option 2015		American Indians. Frameworks and methods for analyzing race, class, and labor. Cases of environmental injustice, community and government responses, and future strategies for achieving environmental and labor justice. Also listed as	
Environment, (ESPM 163AC)			Spring 2015		Comparative analysis of policy systems governing natural resource development in the rural Third World. Emphasis on organization and function of agricultural and	
Policy, (ESPM 165)	Policy, and Management	Claudia J. Carr	Spring 2014	Undergraduate	mineral development, with particular consideration of rural hunger, resource availability, technology, and patterns of international aid.	
					and other human activities in both developing and developed areas. Case studies will contextualize methodological information and incorporate a global perspective on environmentally mediated diseases in diverse populations. Topics include water	
Environmental Health and Development, (ESPM C167)	Environmental Science, Policy, and Management	Rachel Morello-Frosch	Before Fall 2013	Undergraduate	management; population change; toxics; energy development; air pollution; climate change; chemical use, etc. Also listed as Public Health C160.	
Berkeley Urban Gardening Internship (ESPM 198)	Environmental Science, Policy, and Management	Kathryn De Master	Fall 2015	Undergraduate	Directed group study in ESPM	
					I his course explores critical policy and theoretical questions in the governance of global production. Current trends in the restructuring of industrial production; distributions of environmental, labor, and social impacts from this production; and new strategies for democratic governance are analyzed, including corporate self-	
Governance of Global Production (ESPM 260)	Environmental Science, Policy, and Management	Dara O'Rourke	Spring 2015	Graduate	regulation, monitoring, certification and labeling, fair trade programs, legal strategies, and international accords and agreements.	
D						

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
Interdisciplinary Food Systems Seminar (ESPM 226)	Environmental Science, Policy, and Management	Alastair lles. Claire Kreman	Spring 2014	Graduate	A graduate seminar exploring the ecological, social, and economic risks inherent in different forms of agriculture, from highly diversified, agroecological farming systems to industrialized agriculture. We will examine how different farm management techniques, government policies, supply chains, R&D, technology, and science may influence various risks and uncertainties, including climate change, agrobiodiversity farmer livelihoods, food safety, public health, and nutrition	
International Conservation and Development Policy (ESPM 251)	Environmental Science, Policy, and Management	Claudia J. Carr	Before Spring 2012	Graduate	Changes in Third World rural economy, ecology, and environment and ways in which these are affected by development policies. Historical dimensions of Third World environmental problems. Changing patterns of rural production (especially food) and resource use; alternative theories of natural resource and socioeconomic development; linkages between socioeconomy and environment in agrarian change and development policy; technology and resource control; conservation and development memory.	
Advanced Topics in Conservation Biology (ESPM 277)	Environmental Science, Policy, and Management	Claire Kremen	Spring 2014	Graduate	A graduate level seminar covering advanced topics in conservation of biodiversity, focused on designing protected area networks. We will first lay the groundwork for the course by exploring the fundamental papers in ecology and conservation biology that led to systematic conservation planning. Then, we will study various issues at the current frontiers of the discipline, such as incorporating threats, costs, evolutionary processes, and ecosystem services into reserve network design. The class will encourage student engagement through discussions, peer instruction and peer review of essays.	
Molecular Approaches to Environmental Problem Solving (ESPM C192)	Environmental Science, Policy, and Management	Steven E. Lindow	Fall 2015	Undergraduate	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. Students will also develop and present case studies of environmental problems solving using modern molecular methods.	Prerequisites: Junior or senior standing in Molecular Environmental Biology major, or consent of instructor.
Political Ecology (ESPM 253)	Environmental Science, Policy and Management	Nancy Peluso	Fall 2015	Graduate	Critique and comparison of literature in political ecologyan approach to sociological analysis of environmental change focusing on environmental conflict. Initial sessions address the definition of political ecology, its origins, and the politics and discourses of natural resource management. Literature includes domestic and international research involving the combination of social and environmental history local perspectives, and political economy to discuss accounts of social and environmental change.	
Race, Science, and Resource	Environmental Science,	leffrey Romm	Fall 2015	Graduate	This course addresses explantation and strategy in natural resource policy with an emphasis on whether, why, and how (a) 'race' distributes access to and control of environmental resources, (b) 'science' creates and arrays perceptions, organization and control of these resources, and (c) public policy shapes racial disparities in natural resource opportunities. Topics are drawn primarily from issues in metronolitan, anricultural and hubic resource systems.	
Seminar in Pastoralism, (ESPM 279)	Environmental Science, Policy, and Management	Lynn Huntsinger	Spring 2014	Graduate	A survey of pastoral animal management and production systems, as they influence and are influenced by the rangeland environment. Review of the evolution of animal management practices; contemporary management systems in California, the West, and worldwide; and production systems with both traditional and nontraditional goals. Examination of agroforestry and nomadic and transhumant grazing systems, sheep and cattle production, game ranching, and organic meat production will be included.	
Seminar in Range Ecosystem	Environmental Science,	lames Bartolome	Before Fall 2013	Graduate	A seminar course dealing with selected current topics in range ecosystem planning	
Sustenance and Soverignty: The Sociology of Agriculture and Food Systems (ESPM 290)	Environmental Science, Policy, and Management	Kathryn De Master	Fail 2015	Graduate	This graduate seminar explores the sociology of agriculture and food systems, addressing key theories and topics in the field. We begin with the antecedents of the sociology of agriculture, including foundational classical agrarian theories and some investigations into the distinct but related field of peasant studies. We then proceed to an overview of the field, from its emergence to present day, before delving into a series of topical foci and analyses.	
Agroecology and Ecosystem Services (ESPM 290)	Environmental Science, Policy, and Management	Claire Kremen	Fall 2014	Graduate		
Biodiversity and Human Health (ESPM 290)	Environmental Science, Policy, and Management	Claire Kremen	Spring 2015	Graduate	This interdisciplinary seminar, co-taught by a physician and a conservation biologist will explore the bidirectional relationship between human and ecosystem health. Focusing on our food production system, we will investigate how promoting biodiversity, ecosystem repair and resource conservation relate to our health. Participants will have the opportunity to participate in individual or group projects.	
Sociology of Agriculture (ESPM 230) Creating a Sustainable	Environmental Science, Policy, and Management	Kathryn De Master	Fall 2015	Graduate	This graduate seminar explores the sociology of agriculture and food systems, addressing key theories and topics in the field. We begin with the antecedents of the sociology of agriculture, including foundation classical agrarian theories and an overview of the field, followed by topics ranging from pesticide drift to agricultural labor injustice to food sovereignty movements and more. This course is most appropriate for students with some background in agri-food and social systems.	
Landscape: On-Campus Gardening (ESPM 98/198)	Environmental Science, Policy, and Management	Miquel Altieri	Fall 2015	Undergraduate	Directed aroup study in ESPM	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
Cordon Londorship and	En incomental Science					
Management (ESPM 98/198)	Policy and Management	Pallud	Fall 2015	Undergraduate	Directed aroup study in ESPM	
	r eney, and management	i anda		endergraddate		
Berkeley Urban Gardening	Environmental Science,					
Internship (ESPM 198)	Policy, and Management	Kathryn De Master	Fall 2015	Undergraduate	Directed group study in ESPM How do human populations organize and alter natural resources and ecosystems to	
					produce food? The role of agriculture in the world economy, national development,	
					and environmental degradation in the Global North and the Global South. The	
Food and the Environment,	Coography	Nothon Source Michael Watte	Spring 2015	Lindergraduate	origins of scarcity and abundance, population growth and migration, hunger, and	
(GEOG 130)	Geography	Nathan Sayre, Michael Watts	Spring 2015	Ondergraduate	Problems of Third World poverty and development have come to be seen as	
					inseparable from environmental health and sustainability. The course explores the	
					global and interconnected character of environment and development in the less	
					developed world. Drawing on case studies of the environmental problems of the newly industrializing states food problems and environmental security in Africa	
					and the global consequences of tropical deforestation in Amazonia and carbon	
Global Ecology and Development,					dioxide emissions in China, this course explores how growth and stagnation are	
(GEOG 35)	Geography	Michael Watts	Before Fall 2013	Undergraduate	linked to problems of environmental sustainability.	
					California had been called the great exception and America, only	
					more so. Yet lew of us pay attention to its distinctive traits and to its	
					le electrice de la contra	
					is also the most dynamic place in the most powerful country in the	
					world, and would be the stin largest economy if it were a country. Its	
					finance. Netwel abundance and sectorship advertage bays played	
					their parts, but the state's greatest resource has been its wealth and	
					their parts, but the state's greatest resource has been its wealth and	
					diversity of people, who have made it a center of technological and	
California (GEOG 50 AC)	Geography		Eall 2015	Lindergradate	a dark side of exploitation and racialization	
California, (GEOG 30 AC)	Geography				Political factors affecting ecological conditions in the Third World. Topics include	
					environmental degradation, migrations, agricultural production, role of international	
					aid, divergence in standard of living, political power, participation and decision	
Global Environmental Politics,	Caassanhu	Candy Drawn	Fall 2012		making, access to resources, global environmental policies and treaties, political	
(GEOG 138) Prehistoric Agriculture (GEOG	Geography	Sandy Brown	Fall 2013		Strife and war. Agricultural origins and dispersals in the light of recent biological and archaeological	
109)	Geography	Roger Byrne	Fall 2014	Undergraduate	evidence.	
					Since the end of the Pleistocene and especially with the development of	
					agriculturally based societies humans have had cumulative and often irreversible	
					change" and the biodiversity crisis are not exclusively developments of the industrial	1
					and post-industrial world. This course uses a multi-disciplinary approach, drawing	
Holocene Paleoecology: How					upon methods and data from archaeology, palynology, geomorphology,	Fither Anthropology 2 or Dislogy
(INTEGBI C155)	Integrative Biology	Kirch	Spring 2014	Kirch	paleontology, and historical ecology to unravel the broad trends of human ecodynamics over the past 10 000 years. Also listed as Anthropology C129D	1A
	Integrative Biology				The course will start with a brief introduction and evaluation of the scientific aspects	
					behind climate change. Economic models will be developed to analyze the impacts	
					of climate change and provide and critique existing and proposed policy tools.	
					evaluation of impacts, optimal control of greenhouse gases, benefit cost analysis.	
The Economics of Climate	International And Area				international treaty formation, discounting, uncertainty, irreversibility, and extreme	
Change, (IAS C175)	Studies	Anthoff	Fall 2014	Undergraduate	events. Also listed as Environmental Economics and Policy C175.	
Make Sense of, and Write about						
Emerging Research in Food and						
Nutrition (JOURN 219)	Journalism	Marion Nestle	Spring 2015	Graduate		
Master's Project Seminar						
(Following the Foodchain),					Advanced study of methods of reporting developments in such fields as science,	
(JOURN 294)	Journalism	Michael Pollan	Spring 2014	Graduate	education, health, or the environment.	
	Landscape Architecture				Analysis of any ironmental factors, approximations, and approximation dynamics	
110)	Planning	Dronova	Fall 2015	Undergraduate	as related to decision-making for landscape planning and design.	
	Landscape Architecture					
Ecological Analysis Laboratory,	and Environmental	D	5-11-0045	the design durate	Introduction to field techniques for assessment of landscape factors. Factors include	
(LD ARCH 110L)	Planning	Dronova	Fail 2015	Undergraduate	topograpny, geology, climate, soil, hydrology, flora, vegetation, and wildlife.	
					This course is an introduction to the identification and recognition, as well as design	
					applications and uses, of plants in the landscape. Through lectures, assignments,	
Londonono Plonte: Martification	Landscape Architecture				and fieldwork, the course provides class participants with an appreciation of the	
and Use (LD ARCH 112)	Planning	Kooyumijan	Spring 2015	Undergraduate	importance of vertical vegetation as a design element. Students will be introduced to a variety of built projects and plants commonly used in Bay Area landscapes	
		1	1 - 1	1		<u>ــــــــــــــــــــــــــــــــــــ</u>

Course Department Instructor (most recent) Course Department Notes Fevrancedal Scence Fr Scherstein Legistry Landcapa Architector (most 2) Landcap				Semester (most	Graduate/		
The scatter building and the scatter building	Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
Interfact During W Interface Architecture						The scientific basis of sustainability, explored through study of energy, water, food,	
Instrumental Science for backtoring to Science						natural resources, and built environment. Physical/ecological processes and	
skoren tor skoren						systems, and human impacts from the global scale to local energy/resource use.	
Dussing the Development (LD) and Carrier and Parket (Set and P	Environmental Science for	Landscane Architecture				increase sustainability of processes/practices. Discussion/lab section involves data	
AIRCH 17 Raining Route Earl Pail 2015 Undergraduate Residuate improvide additionaling improvement of additional improvement of additimprovement of additimprevement of additional imprev	Sustainable Development (LD	and Environmental				collection/analysis (e.g. Strawberry Creek atmospheric particulates) and	
Instrument Instrument Provide the second of additionality most readed to the instrument of additional addition addition addit additional addition addit additional additionala	ARCH 12)	Planning	Kondolf, Staff	Fall 2015	Undergraduate	integrative sustainability assessment project.	
In the second rate of the s						This course introduces the foundations of sustainability most related to the	
Substantial Landscept Ambiender Deter, (D. MCH 12) Landscept Ambiender Ambiender Deter, (D. MCH 12) Landscept Ambiender Deter, (D. MCH 12) <td></td> <td></td> <td></td> <td></td> <td></td> <td>restoration, design, and creation of landscapes and cities. The underlying principles</td> <td></td>						restoration, design, and creation of landscapes and cities. The underlying principles	
Subara La Landargue aut Series de Landargue aut Celes, LO ASCH 190 Perrorg Series 201 Perrorg Pe		I and a second Analytic stress				of ecology, nature, and democracy are concretized in centered-ness,	
Operating Lips ADCH 1300. Planna Bytyer Spring 2015 Undergraduate Kind August and August August and August Augus Augus Augus August August Augus August August Augus August Aug	Sustainable Landaganag and	Landscape Architecture				connectedness, tairness, sensible status seeking, sacredness, particular-ness,	
Inclusion Column Colu	Cities (LD ARCH 130)	Planning	Stryker	Spring 2015	Undergraduate	future naturalness inhabiting science reciprocal stewardship and pacing	
In a American Designed Landsages Strike 53, LD Landsages Archivesture and Elimitation Status and Landsam design 1, solicity of the status and the status and Landsam design 1, solicity of the status and the status and Landsam design 1, solicity of the status and Landsam design 1, solicity of the status and Landsam design 1, solicity of the status and the						This course surveys the history of American landscape architecture since 1850 in	
Image: Spring of Lipse and Space Artification particle start movement and particle st						four realms: 1) urban open spacesthat is squares, plazas, parks, and recreation	
Bits Bits Difference Participation Difference						systems; 2) urban and suburban design; 3) regional and environmental planning; 4)	
The American Designed Landcoape Architecture and Environmental Achi Chiffi Parenting Achi Chiffi Parenting Achi Chiffi Parenting Achi Chiffi Parenting Parenting Achi Chiffi Parenting Par						gardens. The course will review the cultural and social contexts which have shaped	
The American Designed Lanckage Similar Lanckage And Similar Lanckage Simil						and informed landscape architecture in the United States since the advent of the	
Landscarsford 150, LD ACR C1 T1 Parry Mongo ACR C1 T1 Parry Mongo Faz 0 15 Landscarsford 150, LD Parry Mongo Faz 0 15 Landscarsford 150, LD Faz 0 15 Landscarsford 150, LD Faz 0 15 Landscarsford	The American Designed	I andscape Architecture				borticultural practices, and technological innovations of American landscapes	
ACCI C171 Paining Movingo Fat 2015 Undergraduale American Studied C171 Construction American Studied C171 Toocher avder mange of fusue related to food award policy. Toocher avder mange of fusue related to food award policy. Toocher avder mange of fusue related to food award policy. Toocher avder mange of fusue related to food award policy. Toocher avder mange of fusue. Students will read to wrete by the students of fusion. Future avder mange of fusue related to food award policy. Toocher avder mange of fusion. Students avder mange of fusion. Students and the fast wrete by the students of fusion. Future avder mange of fusion. Students and the fast wrete by the students of fusion. The fast avder approximate of fusion. The fast avder approximate of fusion. The fast avder approximate of fusion. The fast avder fusion. The fast avder approximate of fusion. The fast avder fusion. The fast avder approximate of fusion. The fast avder fusion. The fast avder approximate of fusion. The fast avder fusion. The fast avder approximate of fusion. The fast avder approximate fast avder fusion. The fast avder fusion. The fast avder fusion. The fast avder fusion. The fast avder fusion. The fast avder fusion. The fast avder fu	Landscape Since 1850, (LD	and Environmental				Students will complete a midterm, final, and a research assignment. Also listed as	
Instrume wilds and source avids may on assume resident to do leave and solids. Top out and solids. Not solid and solids. Not solid and marketing registers and and solid solid and solid and solid and solid and solid and s	ARCH C171)	Planning	Mozingo	Fall 2015	Undergraduate	American Studies C171.	
Ended Example Topics will key include foot addely, dot being and makeling, regulation and patientitie organization. Instruments, regulation and patientitie organization. Instruments, regulation and patientities organization. Instruments of patients, regulation and patientities organization and presentation of patientes, regulation and patientes						This seminar will explore a wide range of issues related to food law and policy.	
Food Law and Policy, (Law 220F) Law Ver Housening, Sugarman Spring 2015 Creature Tool Law and Policy, (Law 220F) Law Related Microbiols, Sugarman Spring 2015 Creature Policy (Law 220F) Law Related Microbiols, Sugarman Spring 2015 Creature Policy (Law 220F) Law Related Microbiols, Sugarman Policy (Law 220F) Law Related Microbiols, Sugarman Policy (Law 220F) Law Related Microbiols, Sugarman Policy (Law 220F) Policy (Law 220F) <t< td=""><td></td><td></td><td></td><td></td><td></td><td>Topics will likely include food safety, food labeling and marketing, regulation and</td><td></td></t<>						Topics will likely include food safety, food labeling and marketing, regulation and	
Food Law and Policy, (Law 2007) Law Van Heuweing, Sugarman Spring 2016 Graduate Immunolity and access, many access and acces and acces and access and access and access and access and acces						patenting of genetically-modified organisms, farm subsidies, treatment of livestock,	
Food Law and Policy (Law 2207): Law Number of the second						farm labor, organic farming standards, nunger and obesity, international trade in food, and promotion of local and sustainable agriculture. Students will read a variety	
Evolution and Policy, Law 2020) Law Van Houvening, Sugarman Spring 2015 Graduate research page As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food is nucl-displancy, drawing on every hing from scoronics and page. As subject, food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronics, act. will be at Letter on the food scoronic and food scoronics, act. will be at Letter on the food scoronic and the food scoronic and score at Letter on the food scoronic and score at Letter on the food scoroni						of materials in preparation for weekly discussions and will each write a 30+-page	
Products Prese Law Richard Mendelson Oraduate Vim Law Richard Mendelson Oraduate As a stiple; foot a multi-disciplinary drawing on everything from economics and approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximate its possible. The staffs, stain week repets to ingrate approximation approximation approximation and multification of the staffs, stain week repets to ingrate approximation of the staffs, stain week repets to ingrate approximation and multification of the staffs, stain week repets to ingrate approximation and multification of the staffs, stain week repets to ingrate approximation and multification approximation approximation approximation and multification approximation approximatin approximation ap	Food Law and Policy, (Law 220F)	Law	Van Houweling, Sugarman	Spring 2015	Graduate	research paper.	
Wine Law Law Rehard Mendelson Circulate As subject. food is multi-disciplinary, drawing on seerphing from economics and a group on the private of the private of the food mouth materia. Numper and food security, frame and active to group concerning the food mouth help of cells and active to group and boot security. Frame and active to group concerning the food mouth help of cells and active to group concerning. Activity of the food mouth help of cells and active to group concerning. Active of the food mouth help of cells and active to group concerning. Active to define the food mouth help of cells and active to group costing. and stores and active to group costing. and stores and active to group costing. Active and the food mouth help of cells and active to group costing. and stores and active to group costing. Active and active to group costing. Actis and actis active and active to group costing. Active and active	Products & Place	Law	Richard Mendelson		Graduate		
Edibe Education: The Rise and Future of the Food Movement, Natural Resources Gary Spoelito Spring 2015 Undergraduate Spring 2015 108 A or concurrent enrollment, the food movement to help it define and achieve it goals. Also listed as Letters and Found of help it define and achieve it goals. Also listed as Letters and Food Science, NUSCTX 1080 Nutritional Sciences and Food Science, Nutritional Sciences and Nutritional Sciences and Food Science, Nutritional Sciences and Nutritional Sciences a	Wine Law	Law	Richard Mendelson		Graduate		
Edible Education: The Rise and Future of the Food Movement, (NAT RES C101) Natural Resources (Cary Spoalto Spring 2015 Undergraduate Spring 2016 Itel Care on what their areas of expertise have to offer the food movement to help it defens and achieve tiges and and application. To school offer, using application, and schools, observeighty, local food economics, dc. will lecture on what their areas of expertise have to offer the food movement to help it defens and achieve tiges and and schools of the chemical, physical, functional, and schools, observeighty, local food economics, dc. will lecture on what their areas of expertise have to offer the food movement to help it defens and achieve tiges and schools and the schools, influence quality characteristics of food products. Iteles on achieve tiges and production and physical, functional, and schools, and schools, and the chemical, physical, functional, and schools, properties of foods, and the chemical, physical, functional, and schools, properties of foods, and the chemical, physical, functional, and school, properties of foods, and the chemical, physical, functional, and school, properties of cognization and management. Laboratory, (NUSCTX 1088) Nutritional Sciences and functional sciences and function hemathy sciences and functional sciences and functional						As a subject, food is multi-disciplinary, drawing on everything from economics and	
Edible Education: The Rise and Future of the Food Movement, (WAT RES C101) Natural Resources Gary Sposito Spring 2015 Undergraduate Evaluation of the chemical, physical, functional, and nutritional properties of foods. Introduction and Application of Oscience Food Sprees, (NJSCTX 108) Nutritional Sciences and Toxocology Nutritional Sciences and Kristen Rasmussen Fail 2015 Undergraduate Explanation of the chemical, physical, functional, and nutritional properties, and papersiton, proceeting, and storage. 108 Aor concurrent enrolment. Codo Science Nutritional Sciences and Laboratory, (NUSCTX 108B) Nutritional Sciences and Kristen Rasmussen Fail 2015 Undergraduate Explanation of the chemical, physical, functional, and nutritional properties of food, and delivery systems, management applied to institutional document, (NUSCTX 108B) Nutritional Sciences and Kristen Rasmussen Fail 2015 Undergraduate Principles of food products. Intercomment applied to institutional food service systems: production and delivery systems, management applied to institutional document, (NUSCTX 135) Toxocology Intercomment applied to institutional food Socience, equipment, layout marking, personnel management, fload management, (NUSCTX 135) Toxocology Intercomment applied to institutional food envice systems: production and delivery systems, management of esources, quality assume, equipment, layout marking, personnel management, fload management, (NUSCTX 135) Toxocology Intercomment applied to institutional toxoco						agronomy to sociology, antinopology, and the arts. Each week experts on organic	
Letable Education: The Rise and Future of the Food Novement, (NUT RES C101) Natural Resources Gary Sposito Spring 2015 Undergraduate Science C101. Note Scien						security farm bill reform farm-to-school efforts urban agriculture food sovereignty	
Future of the Food Movement, (WTRTES C101) Natural Resources Cary Spoato Spring 2015 Undergraduate Enclose C101 Natural Resources 108A croncurrent enrollment. Introduction and Application of Pood Science, (WSCTX 108) Nutritional Sciences and Food Science Nutritional Sciences and Pool Science Food Science Nutritional Sciences and Pool Science Nutritional Sciences and Nutritional Sciences and	Edible Education: The Rise and					local food economies, etc. will lecture on what their areas of expertise have to offer	
(INX FES C101) Natural Resources Gary Sposito Spring 2015 Undergraduate Science C101. TexNation and Application of Post-Spring 2015 Intergraduate Evaluation of the chemical, physical, functional, and nutritional properties of foods. Error Decision of Post-Spring 2015 Undergraduate Experimental evaluation of the chemical, physical, functional, and nutritional properties of foods. Application of Pool Science Nutritional Sciences and Laboratory, (NUSCTX 108) Toxicology Kristen Rasmussen Fail 2015 Undergraduate Principles of organization and management applied to institutional food service systems, management to resources, projects and field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional food service systems; principacement of resources, price start field work in institutional field work in institutional food service systems; pri	Future of the Food Movement,					the food movement to help it define and achieve its goals. Also listed as Letters and	
Introduction and Application of Food Science, (NUSCTX 108A) Application of a Science and preprint of foods. Experimental evaluation of the chemical, physical, functional, and nutritional properties of foods. Emphasis on how these properties, and preprint evaluation of the chemical, physical, functional, and nutritional physical, funct	(NAT RES C101)	Natural Resources	Gary Sposito	Spring 2015	Undergraduate	Science C101.	108A or concurrent enrollment.
Introduction and Application of Code Science, UNUSCTX 108.0 Kristen Rasmussen Fail 2015 Undergraduate Intergraduate <		Nutrition of Online and				Evaluation of the chemical, physical, functional, and nutritional properities of foods.	
Lobo Defined, (NUCCTX 1007) Lobicalgy Instent restricts and selection Instent restricts and selection Application of Food Science Laboratory, (NUSCTX 108B) Nutritional Sciences and Laboratory, (NUSCTX 108B) 10 recommended, Nutritional Sciences and Human Diet, (NUSCTX C159) Nutritional Sciences and Laboratory, (NUSCTX 108B) 10 recommended, Nutritional Sciences and Human Diet, (NUSCTX C159) Spring 2015 Undergraduate Spring 2015 Undergraduate Spring 2015 Undergraduate Spring 2015 Undergraduate Spring 2015 Spring 2015 Spring 2015 Spring 2015 Undergraduate Spring 2015 Spring 2015 <td>Each Science (NUSCTX 108A)</td> <td>Toxicology</td> <td>Kriston Basmusson</td> <td>Fall 2015</td> <td>Indergraduate</td> <td>Emphasis on now these properties, and prepration, processing, and storage,</td> <td></td>	Each Science (NUSCTX 108A)	Toxicology	Kriston Basmusson	Fall 2015	Indergraduate	Emphasis on now these properties, and prepration, processing, and storage,	
Application of Food Science Nutritional Sciences and Laboratory, (NUSCTX 108B) Toxicology Kristen Rasmussen Fall 2015 Undergraduate Principles of organization and management applet to institutional food service systems: production and delivery systems, management of resources, quality assurance, equipment, layout, marketing, personnel management, fiscal Imagement, fiscal Management, (NUSCTX 135) Toxicology Kristen Rasmussen Spring 2015 Undergraduate Spring 2014 Imagement, layout, marketing, personnel management, fiscal Imagement, fiscal Management, (NUSCTX 135) Toxicology Kristen Rasmussen Spring 2015 Undergraduate Spring 2014 Imagement, fiscal		TOXICOLOGY	Tristen rasinussen	1 41 2013	Ondergraduate	Experimental evaluation of the chemical physical functional and nutritional	+
Laboratory, (NUSCTX 108B) Toxicology Kristen Rasmussen Fall 2015 Undergraduate characteristics of food products. Principles of organization and management applied to institutional food service systems, management of resources, quality assumace, equipment, layout, marketing, personnel management, fiscal management, fiscal management, fiscal management, fiscal structures, projects and field work in institutional 10 recommended. Management, (NUSCTX 135) Toxicology Kristen Rasmussen Spring 2015 Undergradate Since we at every day, wouldn't it be useful to learn more about human dietary protects? A ford of processing techniques and their roots. Topics include the human dietary problems, food table cores, food processing techniques and development of regional cusines, and their problems, food tablecores, and their problems, food tablecores, and their problems, food tablecores, and table as Environ Human Diet, (NUSCTX C159) Toxicology Katharine Milton Spring 2015 Undergraduate Sci, Policy, and Management (159. Human Food Practices, (NUSCTX Nutritional Sciences and 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate Sci, Policy, and Management (159. Human Food Practices, (NUSCTX Nutritional Sciences and 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate Spring 2016 Introductional determinants of human diets. Community food and nutrition problems and programs. Food stely and consumer protection. Contributes to	Application of Food Science	Nutritional Sciences and				properties of foods, and the changes occuring during preparation that affect quality	
Food Systems Organization and management applied to institutional food service systems: production and dilevy systems, management of resources, quality assurance, equipment, layout, marketing, personnel management of resources, quality assurance, equipment, layout, marketing, personnel management of resources, quality assurance, equipment, layout, marketing, personnel management, fiscal management, INUSCTX 135) Nutritional Sciences and Kristen Rasmussen Spring 2015 Undergradate Since we eat every day, wouldn't it be useful to learn more about human dietary practices? A broad overview of the complex interrelationship between humans and their foods. Topics include the human dietary inclusion related to diet, diet and dieease, domestication of staple crops, food processing techniques and development of regional cualities, modem dieta and their poots. Topics and development of regional cualities, modem dieta and their poots. Notice and the human dietary inclusion. Political and personal determinants of human dietary. Inclusion: political and personal determinants of human dietary. Control dan durition problems and programs. Food safely and consumer protection. Contributes to the pursuit of Biology 102 or equivalent. 103. or Molecular and Cell Biology 102 or equivalent. 104) Toxicology Aponte, Shane Fail 2015 Undergraduate The physicological cultures for multicaccilinary of the respinses of ourment, interest and on workwide problems of doal and rutinion, policiens and programs. Food safely and curved or nutrients. Foods and nutrients content in resource of nutrients. Foods and nutrients content in resource of nutrients. Foods and nutrients content in record their own direct, calculate its nutrient content in record their own ounorities. Isponerities to nutrient content in record their own di	Laboratory, (NUSCTX 108B)	Toxicology	Kristen Rasmussen	Fall 2015	Undergraduate	characteristics of food products.	
Food Systems Organization and Management, (NUSCTX 135) Nutritional Sciences and Management, (Successing technical management, Laboratory experiences, projects and field work in institutional situations. 10 recommended. Food Systems Organization and Management, (NUSCTX 135) Nutritional Sciences and Nutritional Sciences and Human Diet, (NUSCTX 157) Kristen Rasmussen Spring 2015 Undergradate Since we at every day, wouldn't it be useful to learn more about human dietary practices? A broad overview of the complex interventionship between humans and their foods. Topics include the human dietary politics. Also development of regional cusines, modem dietary politics. Also development of regional cusines, modem dietary politics. Also and development of regional cusines, modem dietary politics. Also development of regional cusines, modem dietary politics. Also development of regional cusines, modem dietary politics. Also development of regional cusines, modem dietary politics. Also and development of regional cusines, modem dietary politics. Also development of regional cusines, modem dietary politics. Also development of oregional cusines, modem dietary politics. Also and development of regional cusines, modem dietary politics. Also development of regional cusines is mode and their problems and programs. Food safety and consumer protection. Contributes to the pursuit of Biology 102 or equivalent. Human Food Practices, (NUSCTX Nutritional Sciences and 104) Kisten Rasmussen Spring 2015 Undergradate This course provides an overview of digestion. Contributes to the pursuit of Biology 102 or equivalent. Biology 102 or equivalent. Intro to Human Nutrition, Nutrition, (NUSCTX 10) N						Principles of organization and management applied to institutional food service	
Food Systems Organization and Management, (NUSCTX 135) Nutritional Sciences and Toxicology Kristen Rasmussen Spring 2015 Undergradate Since we eat every day, wouldn't it be useful to learn more about human dietary practices? A broad overview of the complex interrelationship between humans and their foods. Topics include the human dietary niche, biological variation related to diet, diet and disease, domestication of staple crops, food processing techniques and deverdopment of regional cusines, modern dietas and their problems, food taboos, human attitudes toward foods, and dietary politics. Also listed as Environ In recommended. Human Diet, (NUSCTX (159) Toxicology Katharine Milton Spring 2015 Undergraduate Historical, geo-ecological, cultural, socio-economic, political and personal determinants of human diets. Community food and nutrition problems and programs. Food safety and consumer protection. Contributes to the pursuit of multimosofical and metabolism of nutrients. Community and planning, Biology 102 or equivalent. Biology 102 or equivalent. 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate In the if or wolf and the evidence is reviewed as to the effects of nutrinon health. The emphasis of the course is on issues of nutrients. Foods are discussed as a source of nutrients, and the evidence is reviewed as to the effects of nutrinon health. The emphasis of the course is on issues of nutrients. Foods are discussed as a source of nutrients. Students are required to interest and on workfwide problems of food and nutrition. Students are required to interest and on workfwide problems of food and nutriton. Students are required to interest and on workfwide						systems: production and delivery systems, management of resources, quality	
1000 systems Quantation and Management, (NUSCTX 135) Toxicology Kristen Rasmussen Spring 2015 Undergradate Since we cat very day, wouldn't it be useful to learn more about human dietary practices? A broad overwer of the complex interelationship between humans and their foods. Topics include the human dietary inche, biological variation related to diet. diet and disease, domestication of staple crops, food processing techniques and development of regional cuisines, modern dietary more about human dietary practices (NUSCTX C159) 10 recommended. Human Diet, (NUSCTX C159) Toxicology Katharine Milton Spring 2015 Undergraduate Sci, Policy, and Management C159. Interest Toxicology Human Food Practices, (NUSCTX C159) Toxicology Katharine Milton Spring 2015 Undergraduate Sci, Policy, and Management C159. 103, or Molecular and Cell Biology 102 or equivalent. 104) Toxicology Kristen Rasmussen Spring 2015 Undergradate This course provides an overview of the courbitudes to the provide and development or regional cuisines, and the evidence is reviewed as to the programs. Food safety and consumer protection. Contributes to the provide are discussed as a source of nutrition policy and planning. 103, or Molecular and Cell Biology 102 or equivalent. 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate This course provides an overview of the courbitude is the vidence is reviewed as to the effects of nutrition phasis of the course is	Food Systems Organization and	Nutritional Sciences and				assurance, equipment, layout, marketing, personnel management, fiscal	
Interview Data of data frequencies Data of data frequencies Data of data frequencies Number of the services Nutritional Sciences and Nutritional Sciences and Since we at every day, wouldn't it be useful to learn more about human eletary increasing techniques and development to regional cuisines, modern diffusions and betwein the logical variation related to diet, diet and disease, downestication of stape crops, food processing techniques and development to regional cuisines, modern diffusions and the problems, food taboos, human attitudes toward foods, and dietary politics. Also listed as Environ Sci. Policy, and Management C159. Human Food Practices, (NUSCTX C159) Toxicology Kristen Rasmussen Spring 2015 Undergraduate Historical, geo-ecological, biological, cultural, socie-downic, political and personal determinants of human diets. Community food and nutrition problems and programs. Food safely and consumer protection. Contributes to the pursuit of Biology 102 or equivalent. 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate This course provides an overview of digestion and metabolism of nutritions. Foods are compared by a required to regulation and metabolism of nutritions. Foods 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate This course provides an overview of digestion and metabolism of nutritions. Foods are coursed as a source on nutrition. Sci. Policy and Masen S of the course is on issue of current in interest and on worldwide problemes, foodd an turition. Subjece 100	Management (NUSCTX 135)	Toxicology	Kristen Rasmussen	Spring 2015	Undergradate	situations	10 recommended
Image: heat set in the set in th	management, (Neee NY 100)	lonioology		opining zorio	ondorgradato	Since we eat every day, wouldn't it be useful to learn more about human dietary	
Human Diet, (NUSCTX C159) Nutritional Sciences and Katharine Milton Spring 2015 Undergraduate Spring 2015 Undergraduate Spring 2015 Spring 2015 Undergraduate Spring 2015 Spring 2015 Spring 2015 Undergraduate Spring 2015 Spring 2015 Spring 2015 Undergraduate Spring 2015 Spring 2015 Spring 2015 Spring 2015 Undergraduate Spring 2015 Spring 2015 Spring 2015 Undergraduate Spring 2015 Undergraduate This course provides an overview of digestion and metabolism of numan and metabolism of numan and metabolism of numan nutrition problems and programs. Food safety and consumer protection. Contributes to the pursuit of spring 2015 Indergraduate This course provides an overview of digestion and metabolism of numan nutrition problems. Spring 2015 Undergraduate This course provides an overview of digestion and metabolism of numan nutrients. Food and nutrition service of nutrients. Food and nutrients. Foods are discussed as a source of nutrients. Sources and on workive of odd and nutrients. Sources of nutrients. Nutrient course is on spring and nutrients. Sources on metabolism of deargraduate is nutrient course is on spring and nutrients. Sources on metabolism and deargraduate is nutrient course is on spring and nutrient. Sources or on uterients. Took spring and nutri						practices? A broad overview of the complex interrelationship between humans and	
dief, dief and disease, domastication of stable crops, food processing techniques and development of regional cuisines, modern diretary politics. Also listed as Environ Human Diet, (NUSCTX C159) Toxicology Katharine Milton Spring 2015 Undergraduate Piloty, and Management C159. Human Food Practices, (NUSCTX Nutritional Sciences and 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate Historical, geo-ecological, biological cultural, socio-economic, political and personal determinants of human diets. Community food and nutrition problems and programs. Food Safety and consumer protection. Contributes to the pursuit of Biology 102 or equivalent. 103, or Molecular and Cell Biology 102 or equivalent. Intro to Human Nutrition, Intro to Human Nutrition, Nutritional Sciences and Toxicology Nutritional Sciences and Aponte, Shane Fall 2015 Undergraduate This course provides an overview of digestion, and evaluate its nutrient content in interest and on worldwide problems of dod and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in light of their particular needs. Metabolic Bases of Human Health Metabolic Bases of Human Health Nutritional Sciences and and Diseases, (NUSCTX 160) Spring 2015 Undergraduate The physiological bases of numan nutrient homeostasis and common disorders resulting from over and under nutrition will be discussed will a specific focus on macronutrients. Topics related to nutrient discussed will a specific focus on macronutrients. Topics related to nutrient and cardiov						their foods. Topics include the human dietary niche, biological variation related to	
Nutritional Sciences and Human Diet, (NUSCTX C159) Nutritional Sciences and Toxicology Katharine Milton Spring 2015 Undergraduate Sci. Policy, and Management C159, Sci. Policy, and Management C159, Historical, geo-ecological, biological, cultural, socio-economic, political and personal determinants of human dietary politics. Also listed as Environ Human Food Practices, (NUSCTX 104) Nutritional Sciences and Toxicology Kristen Rasmussen Spring 2015 Undergraduate Historical, geo-ecological, biological, cultural, socio-economic, political and personal determinants of human diets. Community food and nutrition problems and programs. Food safety and consumer protection. Contributes to the pursuit of Toxicology 103, or Molecular and Cell Biology 102 or equivalent. 104) Toxicology Kristen Rasmussen Spring 2015 Undergraduate This course provides an overview of digestion and metrabolism of nutritents. Foods are discussed as a source of nutritents, and the evidence is reviewed as to the effects of nutrition on health. The emphasis of the course is on issues of current interest and on word/wide problems of odd and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in (NUSCTX 10) Nutritional Sciences and (NUSCTX 10) Aponte, Shane Fall 2015 Undergraduate The physiological bases of human nutrient homeostasis and common disorders macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of coloric restriticin on life-span, obesity and its complications, lip						diet, diet and disease, domestication of staple crops, food processing techniques	
Human Diet, (NUSCTX C159) Nutritional Sciences and (NUSCTX C159) Katharine Milton Spring 2015 Undergraduate Sci. Policy, and Management C1503, and detaily pointes. Axio instead as Environ Human Food Practices, (NUSCTX Nutritional Sciences and Toxicology Katharine Milton Spring 2015 Undergraduate Historical, geo-ecological, biological, utilural, socio-economic, political and personal determinants of human fish of human fish of human fish of human socio-economic, political and personal determinants of human fish of human human fish fish of human fish of human human fish human fish of human human human fish human fish of human fish of human human hum		Nutritional Salanasa and				and development of regional cuisines, modern diets and their problems, food	
Human Erect, (recorrection) relations in the evidence is reviewed as to the effects of nutrition on the expansion on the expa	Human Diet (NUSCTX C159)	Toxicology	Katharine Milton	Spring 2015	Indergraduate	Sci. Policy and Management C159	
Human Food Practices, (NUSCTX Nutritional Sciences and 104) Nutritional Sciences and Toxicology Kristen Rasmussen Spring 2015 Undergradate multidisciplinary degrees in oncomposition on turition problems and programs. Food safety and consumer protection. Contributes to the pursuit of multidisciplinary degrees an overview of digestion and metabolism of nutrients. Foods are discussed as a source of nutrients, and the evidence is reviewed as to the effects of nutrition on blems is of the course is on issues of current interest and on worldwide problems of food and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in (NUSCTX 10) Nutritional Sciences and Toxicology Aponte, Shane Fall 2015 Undergraduate Ight of their particular needs. Metabolic Bases of Human Health and Diseases, (NUSCTX 160) Nutritional Sciences and roxicology Spring 2015 Undergraduate The physiological bases of human nutrient homeostasis and common disorders resulting from over and under nutrition on sile-span, obesity and its complications, lipoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease mechanisms, and treatment of a detailed discussion of the causes, disease mechanisms, and treatment of		Toxicology		oping 2010	ondergraduate	Historical, geo-ecological, biological, cultural, socio-economic, political and personal	1
Human Food Practices, (NUSCTX Nutritional Sciences and 104) Kristen Rasmussen Spring 2015 Undergradate programs. Food safety and consumer protection. Contributes to the pursuit of multidisciplinary degrees in nutrition policy and planning. Biology 102 or equivalent. 104) Toxicology Kristen Rasmussen Spring 2015 Undergradate This course provides an overview of digestion and metabolism of nutrients. Foods are discussed as a source of nutrients, and the evidence is reviewed as to the effects of nutrition on health. The emphasis of the course is on issues of current interest and on worldwide problems of food and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in light of their particular needs. Aponte, Shane Fall 2015 Undergraduate The physiological bases of human nutrient homeostasis and common disorders resulting from over and untrition will be discussed with a specific focus on macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of caloric restriction on life-span, obesity and its complications, lipoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease metanisms, and treatment of diabetes mellitus.						determinants of human diets. Community food and nutrition problems and	
104) Toxicology Kristen Rasmussen Spring 2015 Undergradate multidisciplinary degrees in nutrition policy and planning. Biology 102 or equivalent. Information Nutritional Sciences and (NUSCTX 10) Nutritional Sciences and Papelines Fall 2015 Undergraduate Information on worldwide problems of food and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate needs. Mutritional Sciences and second common disorders resulting from over and under nutrition will be discussed with a specific focus on macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of c	Human Food Practices, (NUSCTX	Nutritional Sciences and				programs. Food safety and consumer protection. Contributes to the pursuit of	103, or Molecular and Cell
Intro to Human Nutrition, Nutritional Sciences and Intro to Human Health Nutritional Sciences and Intro to Human Health Nutritional Sciences and Intro to Human Health Stahl, Napoli, Krauss Spring 2015 Undergraduate Indergraduate Indergraduate Idiabetes mellitus. Idiabetes mellitus.	104)	Toxicology	Kristen Rasmussen	Spring 2015	Undergradate	multidisciplinary degrees in nutrition policy and planning.	Biology 102 or equivalent.
Intro to Human Nutrition, Nutritional Sciences and Aponte, Shane Fall 2015 Undergraduate interest and on worldwide problems of functions, and the evidence is enviewed as to the effects of nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in record their own diet, calculate its composition, and evaluate its nutrient content in macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of caloric restriction on life-span, obesity and its complications, lipoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease methicus. Metabolic Bases of Human Health Nutritional Sciences and and Diseases, (NUSCTX 160) Toxicology Stahl, Napoli, Krauss Spring 2015 Undergraduate diabetes mellitus.						I his course provides an overview of digestion and metabolism of nutrients. Foods	
Intro to Human Nutrition, (NUSCTX 10) Nutritional Sciences and Toxicology Nutritional Sciences and Aponte, Shane Fall 2015 Undergraduate Interest and on worldwide problems of food and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in light of their particular needs. The physiological bases of human nutrient homeostasis and common disorders resulting from over and under nutrition will be discussed with a specific focus on macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of caloric restriction on life-span, obesity and tis complications, lipoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease metanisms, and treatment of diabetes mellitus.						afe discussed as a source of nutrients, and the evidence is reviewed as to the	
Intro to Human Nutrition, (NUSCTX 10) Nutritional Sciences and Toxicology Aponte, Shane Fall 2015 Undergraduate Intro the physiological bases of human nutrient homeostasis and common disorders resulting from over and under nutrition will be discussed with a specific focus on macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of caloric restriction on life-span, obesity and its complications, ilpoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease metabolism, and treatment of diabetes mellitus.						interest and on worldwide problems of food and nutrition. Students are required to	
(NUSCTX 10) Toxicology Aponte, Shane Fall 2015 Undergraduate light of their particular needs. The physiological bases of human nutrient homeostasis and common disorders resulting from over and untrient deficiency and excess will include adaptation to starvation and the effects of caloric restriction on life-span, obesity and its complications, lipoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease mechanisms, and treatment of diseases, and treatment of diseases. (NUSCTX 160)	Intro to Human Nutrition,	Nutritional Sciences and				record their own diet, calculate its composition, and evaluate its nutrient content in	
Metabolic Bases of Human Health and Diseases, (NUSCTX 160) Nutritional Sciences and Taxicology Stahl, Napoli, Krauss Spring 2015 Undergraduate Integraduate The physiological bases of human nutrient homeostasis and common disorders resulting from over and under nutrition will be discussed with a specific focus on macronutrients. Topics related to nutrient deficiency and excess will include adaptation to starvation and the effects of caloric restriction on life-span, obesity and its complications, lipoprotein metabolism and cardiovascular disease, as well as a detailed discussion of the causes, disease mechanisms, and treatment of diabetes mellitus.	(NUSCTX 10)	Toxicology	Aponte, Shane	Fall 2015	Undergraduate	light of their particular needs.	
Metabolic Bases of Human Health and Diseases, (NUSCTX 160) Nutritional Sciences and Toxicology Stahl, Napoli, Krauss Spring 2015 Undergraduate Image: Construction of the causes, disease mechanisms, and treatment of diabetes mellitus.						The physiological bases of human nutrient homeostasis and common disorders	
Metabolic Bases of Human Health Nutritional Sciences and and Diseases, (NUSCTX 160) Nutritional Sciences and stands Spring 2015 Undergraduate Indergraduate Indergraduate Indergraduate						resulting from over and under nutrition will be discussed with a specific focus on	
Metabolic Bases of Human Health Nutritional Sciences and and Diseases, (NUSCTX 160) Toxicology Stahl, Napoli, Krauss Spring 2015 Undergraduate diabetes mellitus.						macronutrients. Topics related to nutrient deficiency and excess will include	
Metabolic Bases of Human Health and Diseases, (NUSCTX 160) Nutritional Sciences and Toxicology Stahl, Napoli, Krauss Spring 2015 Undergraduate diabetes mellitus.						and its complications lipoprotein metabolism and cardiovascular disease as well as	
and Diseases, (NUSCTX 160) Toxicology Stahl, Napoli, Krauss Spring 2015 Undergraduate diabetes mellitus.	Metabolic Bases of Human Health	Nutritional Sciences and				a detailed discussion of the causes, disease mechanisms, and treatment of	
	and Diseases, (NUSCTX 160)	Toxicology	Stahl, Napoli, Krauss	Spring 2015	Undergraduate	diabetes mellitus.	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
					This course addresses basic nutrition in the context of the community. It explores	
					nutrition programs that serve various segments of the population and the	
					relationships of these programs to nutrition policy at the local, national, and	
					International levels. Community assessment is used as the basis for program	
Nutrition in the Community	Nutritional Sciences and				(infants, children, women, and the elderly) are considered and questions of food	
(NUSCTX 166)	Toxicology	Henderson, M N	Fall 2015	Undergraduate	security are investigated.	
· · · · · · · · · · · · · · · · · · ·				J	Discussion of principles for the evaluation of toxic hazard of natural and man-made	
					substances present in the environment, the workplace, food, drink, and drugs. The	
					bases for species selectivity, individual variations in sensitivity and resistance, and	
Introduction to Toxicology	Nutritional Sciences and	C Wang Nomura I Wang	Spring 2014	Lindorgraduato	the combined effects of toxic agents will be addressed. Issues related to the impact	
	TOXICOIOGY	C. Wang, Nomura, J. Wang	Spring 2014	Ondergraduate	A comprehensive survey of the principles of modern toxicology and their	
					applications in evaluating the safety of foods, additives and environmental	
	Nutritional Sciences and	Leonard F Bjeldanes, Jen-			contaminates. Mechanisms of metabolic activation, detoxification, gene regulation,	
Toxicology, (NUSCTX 110)	Toxicology	Chyan Wally Wang	Fall 2015	Undergraduate	and selective toxicity are emphasized.	
					Fungi have interacted with humans in both positive and negative ways throughout	
Fungi, History, and Society	Plant and Microbrial	Davias	Carias 2015	Lindergraduate	Inistory. These interactions have included production of foods, medicines, fuels,	Must be taken on a passed/not
(PLANTBITT)	вююду	Bruns	Spring 2015	Undergraduate	Genetic discoveries have changed our lives. All are controversial. Especially	passed basis.
					changed are human physical and mental health, agriculture, social systems, and	
					worldviews. Having many DNA-sequenced genomes, including human, accelerates	
	Plant and Microbrial				discovery. This course will study the science, history, and philosophical implications	
Genetic Revolution, (PLANTBI 13) Biology	Freeling	Spring 2014	Undergraduate	behind past discoveries and will contemplate future genetic revolutions.	
					This course will include discussions on the academic path (courses) needed for the	
					studies of the plant sciences at Berkeley, such as the University Herbarium and the	
					Botanical Garden: an exploration of plant science related careers, including	
					presentations from guest speakers who work in organic farming, government, and	
Introduction to the Plant Sciences	Plant and Microbrial				Cooperative Extension; talks by faculty about their current research, and information	1
at Berkeley, (PLANTBI 20)	Biology	Sung	Fall 2015	Undergraduate	about how to do research in a lab.	Biology 1A-1B.
					Freshman Seminar: Reading and discussion with Plant and Microbial Biology	
Encounters with Plants: First hand	4				faculty on current research and topics in plant and microbial biology. Topics which	
Experiences with the Culture	1				plant pathology, agricultural biotechnology, plant genetics, plant development,	
Lore, and History of Plants	Plant and Microbrial				students who are considering a major in the Department of Plant and Microbial	
(PLANTBI 24)	Biology	Feldman	Fall 2014	Undergraduate	Biology. Enrollment is limited to 20 freshmen.	
					This course is designed to introduce students to the principles and applications of	
Madam Angliasticus of Direct	Direct and Missishrial				modern plant biotechnology. Basic concepts of modern agriculture will be reviewed	
Riotochnology (PLANTRI 170)	Plant and Microbrial	Bakar Somanilla	Before Spring 2013	Indergraduate	In light of emerging biotechnology applications. Emphasis will be placed on understanding the tools and strategies involved in optimizing plant productivity.	
biotechnology, (FEARTBETTO)	Diology	Daker, Contervine	Delote opting 2013	Ondergraduate	Changing patterns of agriculture in relation to population growth the biology and	
					social impact of plant disease, genetic engineering of plants: a thousand years of	
					crop improvement and modern biotechnology, interactions between plants and the	
Plants, Agriculture, and Society	Plant and Microbrial				environment, and effects of human industrial and agricultural activity on plant	
(PLANTBI 10)	Biology	Staskawicz, David Zilberman	Fall 2015	Undergraduate	ecosystems. Knowledge of the physical sciences is neither required nor assumed.	
					covers contemporary topics in plant biology. Examines now plants grow, reproduce,	
					Presents basic principles of genetics, cell, and molecular biology. Basics of genetic	
					engineering and biotechnology reveal how they are used to modify plants, and	
					these socially relevant issues are assessed. Includes visit to modern plant biology	
The (Secret) Life of Plants,	Plant and Microbrial	L			research laboratory, and aspects of plant disease and diversity. Knowledge of the	
(PLANTBL40)	Biology	Zambryski	Spring 2015	Undergraduate	physical sciences neither required nor assumed.	
					and other human activities in both developing and developed areas. Case studies	
					will contextualize methodological information and incorporate a clobal perspective	
					on environmentally mediated diseases in diverse populations. Topics include water	
					management; population change; toxics; energy development; air pollution; climate	
Environmental Health and					change; chemical use, etc. Also listed as Environ Sci, Policy, and Management	
Development, (PB HLTH C160)	Public Health	Rachel Morello-Frosch	Spring 2015	Undergraduate	C167.	
					programs in the United States, including the political and administrative conditions	
1					that led to the development of these programs. It also examines the goals, design.	
					operations, and effectiveness of some of these programs: Food Stamp Program,	
1					the Special Supplemental Nutrition Program for Women, Infants, and Children	
Food and Nutrition Policies and					(WIC), the National School Lunch Program, the School Breakfast Program, Head	
Programs, (PB HLTH 206B)	Public Health	Gosliner	Spring 2015	Graduate	Istart, the United Care Food Program, and the Elderly Nutrition Program.	
1					This course will use a case-based approach to examine the ways in which	
1					that affect food production and access to safe, affordable, and nutritionally adequate	
Food and Nutrition Programs and					diets. In the course we will analyze, assess and evaluate ways to take action to	
Policies in Developing Countries,					ameliorate the major nutritional problems facing vulnerable populations in	
(PB HLTH 206D)	Public Health	Lia Fernald	Spring 2013	Graduate	developing countries.	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
					This course will cover public health, microbiological, social, and economical issues	
					related to foodborne diseases. Three areas will be explored: 1) categories, clinical	
					manifestations, and disease processes of foodborne illnesses; 2) etiological agents	
					causing foodborne illnesses; 3) investigation and prevention of foodborne illness.	
					I ne course will discuss different types of foodborne diseases, clinical	
					namestations, and the interactions between etiological agents (pathogens and non-	
					associated with foodborne illness including bacterial and viral pathogens such as	
					Salmonella, E coli, hepatitis viruses and Norwalk-like gastroenteritus viruses. We	
					will also study non-pathogen agents such as heavy metal, pesticide, and toxic	
					chemicals. Futhermore, the course will discuss how to identify the etiological agents	
					in outbreaks and possible measures that can be taken to minimize the risk to the	
					public including vaccines and education. Finally, we will explore the social and	
Foodborne Disease, (PB HLTH	Date lie 11 - alth		5-11-004.4	Out that	economic issues involved in the food production, distribution, and consumption that	
200A)		Lu	Fall 2014	Graduale		
					This course will provide an intensive introduction to current topics in international	
					health policy. Students in the course will become familiar with the major actors,	
					institutions, and regimes that shape international health policy. The course will also	
					introduce students to theories of governance as they apply to international settings	
					and evaluate the relative roles of state actors, NGOs, and international regimes in	
					producing key health policy outcomes. The course will cover several current issues	
					in international health and will require students to critically assess the state of policy	
Clobal Health Paliay (PR HI TH					with respect to these issues. Using Bardach's method for policy analysis, students	
	Bublic Health	Keller	Refere Fall 2013	Graduato	the tradeoffs implied in choosing a given policy antion over its competitors	
220L)	Fublic Health	Reliel	Delore Fail 2013	Gladdale	This is a graduate level survey course on selected topics in international health	
					designed to introduce students to key areas of the specialty. The course will review	
					the main contributors to the global burden of disease and discuss current	
					interventions and possible approaches for the future. The primary goal of the course	
					is to transfer knowledge and experiences that will prepare public health students to	
					evaluate international health projects and better prepare themselves for	
					international health work. The focus is on developing countries with the most	
					challenging large-scale health problems, where physical and systems intrastructure	
Global Health Core Course (PB					with the tools to make their own assessments. Complex athical and political issues	
HI TH 212D)	Public Health	Reingold	Spring 2015	Graduate	nervading this field will also be addressed throughout the course	
/					This course examines health at the individual and community/global level by	
					examining the interplay of many factors, including the legal, social, political, and	
					physical environments; economic forces; access to food, safe water, sanitation, and	
					affordable preventive/medical care; nutrition; cultural beliefs and human behaviors;	
Clabel Lleeth: Multidiscipliner:					and religion; among others. Students will be expected to read, understand, and use	
Global Health: Multidisciplinary	Dublic Health	Arthur L. Beingeld	Spring 201E	Lindergraduate	advanced materials from diverse disciplines. Class accompanied by case-based	
	Fublic Health	Anthur E. Reingold	Spring 2015		The course examines the public policy institutions and processes influencing	
					innovation, regulation, and payment for biotechnology, pharmaceuticals, and	
					medical devices. Topics include technology transfer and patent law, the Food and	
					Drug Administration (FDA) review for safety and efficacy, insurance coverage policy	
					at the Center for Medicare and Medicaid Services (CMS), coverage, payment, and	
					benefit by private insurers for new technology, and cost-effectiveness analysis.	
Health Care Technology Policy	Dublic Llockh	Dahinaan	Carina 2015	Creduate	Special topics vary from year to year. Examples and case studies are drawn from all	
(PB HLTH 222A)		Robinson	Spring 2015	Graduale	This course will consist of a survey of the major social, cultural, and his behavioral.	
					patterns of health and well-being among individuals, families, neighborhoods, and	
					communities. The course also will address the design, implementation, and	
Introduction to Community Health					evaluation of leading social and behavioral interventions and social policies	
and Human Development, (PB					designed to improve community and population health. This course will satisfy one	
HLTH 150E)	Public Health	Satariano	Spring 2015	Undergraduate	of the core requirements for the undergraduate major in public health.	
Nutrition Status, Physical Activity,					Concepts, methods, and limitations in the determination of nutritional status;	
	Public Health	l araia	Fall 2015	Graduate	application of methodologies for determining and interpreting data, technical, social,	
200A)		Laraia		Claddate	This course develops the ability to read published nutritional epidemiology research	
					critically. Basic research methods in nutritional epidemiology will be reviewed, and	
					issues in design, analysis, and interpretation unique to nutritional epidemiology will	
Nutritional Epidemiology, (PH					be addressed. This will be accomplished by readings and study questions,	
206C)	Public Health	Block	Fall 2015	Graduate	lecture/discussions, and problem sets.	
					in comparison of the second se	
Health Issues Seminare:					Students will learn and apply systematic strategies for inpovation, borrowing from	
Designing Innovative Solutions to					fields such as design thinking, ethnography systems thinking creativity. In Spring	
Public Health, (PB HLTH 290 002					2014 only, the focus will be on reshaping the alobal and domestic food environment	
SEM)	Public Health	Jaspal	Fall 2015	Graduate	and food systems.	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
Climate, Energy, and					Graduate seminar examining the role of energy science, technology, and policy ininternational development. The course will look at how changes in the theory and practiceof energy systems and of international development have co-evolved over the past half-century, and what opportunities exist going forward. A focus will be on rural and decentralized energy use, and the issues of technology, culture, and politics that are raised by both current trajectories, and potential alternative energychoices. We will explore the frequently divergent ideas about energy and development thathave emerged from civil society, academia, multinational development agencies, and theorivate and industrial sector. Also listed as	
Development (PUB POL C221)	Public Policy	Kammen	Fall 2014	Graduate	Development Practice C221 and Energy and Resources Group C221.	
Energy and Society (PUB POL C284)	Public Policy	Kammen	Fall 2015	Graduate	Energy sources, uses, and impacts; an introduction to the technology, politics, economics, and environmental effects of energy in contemporary society. Energy and well-being; energy international perspective, origins, and character of energy crisis. Also listed as Energy and Resources Group C200.	Minimum one semester of graduate-level microeconomics and statistics or consent of instructor.
Environment and Technology from the Policy and Business	Public Policy	Tavlor	Refore Fall 2013	Graduate	Most environmental issues involve technology, either in the role of "villain" or "hero." This course uses the lens of specific technologies to survey environmental policy and management, with an emphasis on the complexities of policy-making with diverse interest groups. The class includes case studies, guest practitioners, and a group project in which students employ a range of analytic tools and frameworks in order to develop creative, affective, and actionable environmental solutions.	
Ferspective, (FOB FOL 262)			Delute Fall 2013	Gladuale	This course emphasizes the development and application of policy solutions to	
International Economic Development Policy, (PUB POL (2253)	Public Policy	De Janvry A	Fall 2015	Graduate	developing-world problems related to poverty, macroeconomic policy, and environmental sustainability. Methods of statistical, economic, and policy analysis are applied to a series of case studies. The course is designed to develop practical professional skills for application in the international arena. Also listed as Adricultural and Resource Economics C253.	
Special Topics in Public Policy:		boodinity, A				
The Fight for Food Justice: Mass Movement or Consumer Culture? (PUB POL 290)	Public Policy	Saru Jayaraman	Fall 2015	Graduate		
ICT for Social Enterprise (INFO 287)	School of Information	Parikh	Before Fall 2013	Graduate	This class is focused on the creation of sustainable enterprises based on ICT (Information and Communications Technologies) innovations supporting international development. We take a broad view of entrepreneurship-including starting new businesses, non-profit initiatives, and/or public sector projects. We will take a highly iterative, design-oriented, feedback-driven approach to developing and refining business plans for social enterprises.	
Information and Communications Technology For Development, (INFO 290)	School of Information	Burrell	Spring 2015	Graduate	This seminar reviews current literature and debates regarding Information and Communication Technologies and Development (ICTD). This is an interdisciplinary and practice-oriented field that draws on insights from economics, sociology, engineering, computer science, management, public health, etc.	Sociology 1, 3, 3AC, or consent of instructor.
Information Technology and Identity: The Future of Storytelling (INFO 290A)	School of Information	Hardy	Fall 2014	Graduate		1, 3, 3AC, or consent of instructor.
Cultural Perspectives of Food, (SOCIOL 169F)	Sociology	Bakehorn, J A	Fall 2014	Undergraduate	The course will provide a broad overview of food as culture. The course begins with foundational writings on the cultural implications of food as consumption and social distinction, and the culture of a global food world. The course also examines how food is imbued with gender, race, class, ethnic and sexual meanings and the constitution and creation of identity.	
Global Sociology: Social Perspectives of the Food Industry	Sociology	Bakehorn. J A	Fall 2013	Undergraduate	Global sociology seeks to transcend national boundaries, studying the world as a unit unto itself, populated by organizations, networks, and movements. Global sociology cannot be constructed by sociologists from a single country, but it must be a collaborative effort from different parts of the planet. We will study globalization through a sociological lens by asking distinguished sociologists from around the world to discuss such contemporary issues as immiaration, terrorism.	
Global Health and Social Justice (SOCIOL 115G)	Sociology	Laura Nathan	Spring 2015	Undergraduate	This course examines the social forces that promote and sustain illness throughout the globe and contribute to illness outbreaks becoming epidemics and pandemics. Emphasizing the central roles of poverty and politics in shaping health risks, disparities within and across nations are explored. With the understanding that health is, at core, a social justice issue, this course reviews policies and programs that attempt to address health problems, some of which have helped to alleviate suffering and some of which have caused additional harm.	
Entrepreneurship to Address Global Poverty, (UGBA 195S)	Undergraduate Business Administration	Staff	Spring 2013	Undergraduate	This course examines whether and how entrepreneurial ventures can meaningfully address global poverty vs. more traditional approaches such as foreign aid, private philanthropy or corporate social responsibility initiatives. Combining lectures, case studies, and interviews with social entrepreneurs, it explores poverty and entrepreneurship before focusing on their intersection in various bottom-of-pyramid markets, from health, housing, and education to enerov, adriculture, and finance.	
					. ,	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
DECAL						
DEORE						
COURSES						
COURCEO	Destated	E. Market	E			Netes
Course	Department	Facilitator	Faculty Sponsor	Semester (Most Recent)	Course Description	Notes
					education program aimed at local urban youth, ages 9 to 14, to address childhood	
					obesity. Students will prepare for and teach a nutrition education class series to	
					area youth at a site and time to be determined by the needs of the Fruitful Minds	
					program. The course time commitment will include a one and a half hour weekly	
					session at a local school or after school program. Fieldwork sites will most likely be	
					located in Oakland and/or Berkeley. Topics to be covered include a review of the	
					Fruitful Minds curriculum as well as teaching strategies, program evaluation tools,	
					and youth engagement. Additional assignments will enhance student contributions	
					Students should have a basic understanding or a strong interest in food and	
Fruitful Minds	NST	Victoria Brodsky	Mikelle McCoin	Fall 2014	nutrition. Previous teaching experiences will be helpful, but are not necessary.	
					The class will consist of one two hour class meeting per week. Each class meeting	
					will focus on a particular dish and use the cooking of that dish as a launching point	
					brief lecture introducing the days topic, a guick demonstration of the recipe	
					techniques, a short nutritional summary, meal planning information, and the history	
					of the chosen dish. The next hour and a half will be spent cooking the dish	
Cooking 101	Linguistics		Keith Johnson	Caring 2014	demonstrated in the lecture. There will be weekly readings, weekly homework	
	Linguistics		Kelln Johnson	Spring 2014	The goal of this course is not to grill you on your understanding of course materials	
					or the regurgitation of facts; rather, this course aims to combine all aspects of	
					participation to lead you to a more fulfilling relationship with the UC Botanical	
					Garden (UCBG) and all that it has to offer. At the end of this course, you will be able	
					can utilize the garden, be more familiar with California native plants, and be able to	
					recognize the costs and benefits of having such a resource at Cal. All activities and	
Exploring the UC Botanical					projects are equally important to the overall experience, and we guarantee that you	
Garden	PMB	Hannah Miller	Chelsea Specht	Spring 2014	will enjoy doing them!	
					D.U.L.C.E. is a diabetes awareness and prevention program established	
					Through the decal students will gain the knowledge on how diabetes	
					impairs the body and how one can avoid or cope with the complications	
					that arise from this chronic disease. As a means of raising the	
					importance of diabetes prevention, the students will explore personal	
					health and establish goals for improvement in the areas of nutrition and	
					exercise. In order for the students to feel comfortable conveying the	
					Education Activity and a presentation on Community there will be a Health	
					Development as it relates to diabetes. By the end of the semester.	
					students will have the vital knowledge and skills necessary to convey the	
Dulce(Diabetes Awareness Decal	PH		Abby Rincon	Fall 2015	information in community health events.	
					Explore the "wonders" of desserts and the chemistry behind them. We will look into	
					mechanisms and assortment of processes involved in creating the perfect	
					dessert.Each lecture will consist on topics of the chemical, biological, and physical	
					concepts of how the desserts were produced and manufactured. An assignment	
					regarding the learned topic will be assigned that week for supplementary learning.	
					There will be one midlern and one group final presentation. There will also be a quest speaker and a field trip during the instructional days. This decal is constructed	
					for students to find or enhance their love for desserts by looking at them from a	
The Wonders of Desserts	Chemistry	Nerissa Ignacio, Karen Yi	Marcin Majda	Spring 2014	whole new perspective.	
					We start by going over coffee cultures in cafes and how coffee is served differently	
					various regions and how it transforms to a delicious cup of ice. There will be a field	
					trip to a local roaster to view the process of how the berry becomes a bean. All the	
					different ways of brewing coffee will be discussed. Students will get to vote on the	
					best coffees by having having a sampling taste test. The nutritional science of	
					concer will also be covered and the myths behind catterine revealed. Coffee will also be discussed outside the cafes as we undercover the human rights surrounding	
					coffee farms. There are many uses for coffee outside drinking it and we will share	
					our tricks of the trade. Lastly we will look at coffee in a global context as we try to	
Coffee Dreek	NOT	Christian Denil	N1/A	Caring 2014	grasp its play in the world as a whole by looking at monopoly corporations in	
Collee Break	INDI	ICHIISUNE BENIK	IN/A	Spring 2014	Irelation to wa and Pa coffee shops.	

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
The Gluten Epidemic: An		Justin Inman, Kevin			We will be discussing the causes, mechanisms, and symptoms of the increasingly important Celiac Disease. Celiac is an autoimmune condition caused by extreme gluten sensitivity. If you or someone you know may be affected by gluten sensitivity	
Introduction to Celiac Disease	МСВ	Youssefzadeh	Russell Vance	Spring 2014	or Celiac disease, this might be the class for you!	
					The Student organic Garden was established in 1971 by students, and cominues to be fully operated and managed by undergraduates. Today the garden gives students a space for experiential learning and helps individuals find a place in the global food movement. The SOGA Interns & Facilitators DeCal will create a collaborative and supportive atmosphere for active student involvement in the	
					garden. Class time will be devoted to working on projects (interns) or learning and improving the weekly lesson plans for the Organic Gardening and Food Justice DeCal (facilitators). This course is designed to both introduce new gardeners to the basic theories and methods of organic gardening, as well as provide an opportunity for more experienced addeners to practice their skills and grow organic food	
Organic Gardening and Food	FORM		Kethere De Messter		Above all, in our class we hope to inspire students to become intimately engaged with what they eat, through hands on experience in horticulture, compost, garden desire.	
Justice	ESPM		Kathryn De Masater	Spring 2014	design, seasonal planning, and exposure to the local food justice movement.	
					This decal seeks to introduce students to environmental activism, to inspire involvement within the campus environmental community and the greater campus community, to build relationships, and to give students the tools and resources to create tangible change. This class will provide students who are already involved in the anyiermental group and the provide students who are already involved in the anyiermental group and the provide students who are any store resources to provide the provide students who are already involved in the anyiermental group and the store from one another store provide the provide students and the store of the sto	
					collaborate, and to inspire and empower each other to remain active in creating	
Student Environmental Activism	ESPM	Magnolia Barrett	Gordon Frankie	Spring 2014	solutions to the environmental problems we learn about every day in our classes.	
					watershed, urban creek ecology, native and invasive species, leading creek	
					caretaking efforts, evaluating creek health, urban water infrastructure, designing	
					collection and propagation, and maintaining the Strawberry Creek Native Plant	
Strawberry Creek Restoration		Ariel Cherbowsky, Jennifer			Nursery and Native Plant Garden, as you participate in community-based urban	
DeCal	ESPM	Podvin	Katharine Suding	Spring 2014	ecological restoration!	
					becomes more common in deforested regions. Wildlife hunting exposes people to	
					zoonotic diseases, provides nutritious foods, and may harm wildlife	
					clean water. The interlinks of environmental and human health are not new but we	
					increasingly approach them from interdisciplinary perspectives that allows us to	
Human and Ecosystem Health	ESPM	Kathryn Fiorella	Justin Brashares	Spring 2014	better understand the complex ways human and environmental health interact.	
					and better appreciate this ancient drink, the class will explore its mythical origins	
					and more concrete history. We will learn of the different tea rituals and cultures of	
					the early Chinese dynasties and trace their influences in Japan, India, and England.	
					California and consider the possibility of a tea culture taking full root in our fast-	
TeaCal	Geography	Dylan Paddock	Michael Watts	Spring 2014	paced, consumer driven society.	
					I his is a course on the basic science behind food and cooking. We will study food and cooking related processes from the molecular scale up through the eyes of a	
					scientist. However, all necessary technical background will be introduced in the	
Intro to Chemisry of Cooking	CHEM	Lara Bideyan	Matt Francis	Fall 2014	course, so all majors are welcome.	
					A weekly gathering to explore and analyze the sociopolitical, economic, environmental implications of our current food system and Berkeley's role in	
Berkeley in the Global Food					creating an alternative food system. We will be visiting local farms and learning	
System	ESPM	Lara Nelson	Alastair Iles	Fall 2014	hands-on skills to be a strong voice in the food movement!	
					materials science and engineering (MSE) to students of various backgrounds. MSE	
					is an incredibly important and widespread field, but few have a basic understanding	
					of what it encompasses. Our hope is that through taking this course, students will gain a good understanding of basic materials science through fun activities involving	r
Materials Science Through Food	MSE	Qian Zhang	Mark Asta	Fall 2014	food.	,
					The Student Environmental Resource Center, a joint student-organization and	
					environmentalist community at Berkeley. This class is intended for both incoming	
					and veteran students who wish to navigate the dense landscape of student and	
					administrative environmentalism at Cal. We'll be exploring the huge expanse of	+
					Berkeley and trying to understand their successes and failures in the bureaucratic	1
Intro to Sustainability and					jungle to the ends of understanding how we ourselves can model the best behaviors	اذ
[Environmentalism at UC Berkeley	IESPM	Jeff Noven	Gordon Frankie	I⊢all 2014	Itor our own aspirations' ends.	1

			Semester (most	Graduate/		
Course	Department	Instructor (most recent)	recent)	Undergraduate	Course Description	Notes
Cal Environmental Team	CE.	Fllv Lin	Khalid Kadir	Fall 2014	This fall, on top of teaching the fundamentals of water treatment and water quality, this class will help you develop your design and presentation skills. You'll engage in lectures, build sessions, and lab testing. Towards the end of the semester, we'll host a mini water filter design and build competition where you'll apply everything you've learned. There won't be any papers nor exams but there will be a few short quizzes and a presentation to represent for the resentation.	
				Fail 2014		
Sustainable Energy for a Greener					This course will give an introduction to energy topics and explore the social, environmental and economic consequences of our carbon-based economy. We depend on energy to fuel our cars and airplanes, grow and transport our food, light our cities, warm our homes, cook our food, and power our machinery, appliances, and electronics. As we continue to deplete our resources (and pollute our air and water in the process), the challenge to satisfy our energy needs continues to mount. How will our generation respond? We will use guest speakers, article presentations, fun projects, involved debates, and films to explore the energy cycle – tracing its origins, distribution, consumption, and waste. We'll also calculate our personal carbon footprint as well as learn about the many opportunities available to become more energy efficient. This course is facilitated by PowerSave Campus interns. The Alliance to Save Energy's PowerSave Campus Program is a student-led initiative that educates the campus community on energy efficiency, achieves energy savings, and encourages the next generation of energy efficiency professionals by building pathwavs to oreen careers. realizing measurable energy savings. Infusing	
Tomorrow	ERG	Vishnu Murthy	Daniel Kammen	Fall 2014	energy concepts into academic curricula, and promoting energy efficiency outreach.	
The Zero Waste Movement	ESPM	Brian Gialketsis	Kate O'Neill	Fall 2014	Ground your understanding of "waste" systems and infrastructure by learning about limitations with recycling and composting, the magnitude of the international plastic dilemma and the Zero Waste movement striving to debunk "greenwashing" in the industry. This class aims to inspire students to take action on environmental, social and economic challenges related to waste, recycling and resource recovery. By utilizing an interdisciplinary approach, this DeCal will provide both a local and international nersnective on sustainable waste management practices.	
Thirst: Global Discourses on Water and Human Rights	IAS	Megan Maurino	Khalid Kadir	Fall 2014	This Decal, now in its sixth semester, is a solution oriented, multi-disciplinary approach to human rights and water. We will explore the realms of law, public policy, anthropology, gender, governance, sociology, environmental science, economics, history, and philosophy and their relationship to these topics. We will use case studies of both international and local water issues to illustrate the most pressing water and human rights topics of this century. The course hopes to build off of the interests of students and integrate the knowledge that each student brings related to the topic. Goals for the course include building a foundational knowledge of human rights, integrating different themes of water and human rights discourse, participating in informed discussion of human rights topics and water issues, and develop a comprehensive understanding of each week's topic and theme. The pedagogical aim of this course is to generate informed discussion about human rights, water, law, policy, and international development.	