

**Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus**

Undergraduate Courses Related to Sustainability			
Department	Course Number	Course Name	Description
AFRA	Africana Studies		
AFRA	3622	History of Gender and Sexuality in Latin America and the Caribbean	Topics may include: empire and colonialism/anti-colonialism; slavery, science, and the state; cultural practices and institutions; feminisms and masculinities; law and public policies; immigration; forms of labor and political mobilization; sex and reproduction; and human rights from historical perspective.
AFRA	3647	Black Leadership and Civil Rights	Black leadership, emphasizing the principles, goals, and strategies used by African-American men and women to secure basic citizenship rights during the civil rights era.
AFRA	3652	Black Feminist Politics	An introduction to major philosophical and theoretical debates at the core of black feminist thought, emphasizing the ways in which interlocking systems of oppression uphold and sustain each other.
AFRA	3825	African Americans and Social Protest	Social and economic-justice movements, from the beginning of the Civil Rights movement to the present.
ARE	Agricultural and Resource Economics		
ARE	2150	Intermediate Applied and Resource Economics	Applications of intermediate level microeconomic theory to problems and policy issues in agriculture, natural resources, and the environment. Topics include supply, demand, market equilibrium, consumer and producer behavior, perfect competition, and welfare economics. Emphasis will be placed on using the theory in computational exercises.
ARE	2210	Essentials of Accounting and Business	An analysis of basic business principles, fundamentals and concepts for agribusiness entrepreneurs.
ARE	3221	Business Strategies and Policy in Food Industries	Market structure and business strategies of firms, including pricing, advertising, entry, and new products. Analysis of mergers and other antitrust issues from a public as well as firm perspective. Case studies of actual events.
ARE	3222	Marketing and Consumer Behavior	Principles of marketing and determinants of consumer choices. Particular attention to demographic economic factors and to changing concerns regarding health and food safety.
ARE	3225	Price Analysis and Future Trading	Principles and applications of market price determination, with special emphasis on the use of futures markets for profit and price risk management. Includes food and energy case studies, internet applications, and a futures simulation exercise.
ARE	4217	Business Finance in Food and Resource Industries	Analysis of financial statements, credit, risk and investment decision-making.
AGNR	Agriculture and Natural Resources		
AGNR	1089	Introduction to Research in Agricultural and Natural Resources	Supervised student involvement with faculty projects to introduce students to current areas of research in their field of interest.
AH	Allied Health		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

AH	1030	Interdisciplinary Approach to Obesity Prevention	Explores the biology of obesity including genetic predispositions and behaviors that increase obesity risk (dietary, physical activity, social, psychological), the obesigenic environment, including how communities are physically built, as well as the economic relationship to obesity risk, and policy and ethical implications for obesity prevention. Multi-level obesity prevention approaches that involve the individual, family, organization, community and policy.
AH	3021	Environment, Genetics and Cancer	Basic principles in tumor biology will be presented including the biochemical basis of cell
AH	3275	HAZWOPER	Provides individuals the necessary knowledge and training to meet the criteria for certification recognized by the Occupational Safety and Health Administration (OSHA) in work activities related to hazardous waste sites and clean up operations involving hazardous substances. Mandatory off-site field exercise required.
AH	3570	Health and Safety Management in the Workplace	Knowledge and skills necessary to develop a sustainable occupational health and safety management program in the workplace toward the goal of preventing illness and injury, and property damage.
AH	4221W	Trends in Environmental and Occupational Safety and Health	Impact of issues in the workplace in promoting prevention of injuries and illness to workers, and protection of property and the environment.
AH	4243	Current Issues in Health	Individual, community and institutional health care needs and issues from a bio-medical and socio-
AH	4503	Poverty and Public Health	Social determinants of health and poverty. Health impact assessments. Improving the social determinants of health and poverty, including countries in conflict.
ASLN	American Sign Language		
ASLN	3254	Women and Gender in the Deaf World	The roles of women inside and outside the Deaf world. How language and cultural barriers perpetuate the roles defined for and by d/Deaf women within Deaf and hearing societies.
AMST	American Studies		
AMST	1700	Honors Core: American Landscapes	Real and imagined landscapes in the Americas as seen through the history of the land and its uses and through changing representations of those landscapes in art, literature, science, and popular culture.
ANSC	Animal Science		
ANSC	1001	Introduction to Animal Science	The biological, physical, and social factors that influence animal production and utilization.
ANSC	1645	The Science of Food	An introductory level course for students interested in the application of science to food. Nutritional and functional attributes of various food constituents are discussed. Issues concerning food processing and food safety are covered.
ANSC	3318	Probiotics and Prebiotics	Biology, uses, effectiveness and safety of probiotics and prebiotics. Molecular mechanisms underlying the health benefits attributed to the consumption of pre- and probiotics. Application of pre- and probiotics to promote human and animal health, including safety and regulation.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ANSC	3343	Animal Food Products	A study of the food products derived from animal agriculture, including dairy, meat, poultry and fish. Emphasis will be placed on inspection, grading, processing, biochemistry, nutritive value and food safety concerns of these products.
ANSC	3641	Animal Food Products: Dairy Technology	Production and processing of milk and milk-products from a food science perspective including chemical, physical and microbiological components. Technological aspects of the transformation of milk into various food products. Public health regulations, good manufacturing practices, cleaning and sanitizing procedures. Unit operations in dairy food manufacturing, packaging, labeling and quality control procedures.
ANSC	3663	Dairy Management Decision-making	Participation in all phases of dairy herd management including decision-making activities, with particular emphasis on impact of decisions on financial health and stability. Course requires participation beyond specific semester calendars.
ANSC	4341	Food Microbiology and Safety	Current topics in food safety will be discussed, with special emphasis on microbial and chemical contamination of food. Specific topics including the safety of natural versus synthetic chemicals, food additives, irradiation and other practices, basic microbiology and toxicology, current regulatory practices and risk assessment will also be included. The Hazard Analysis Critical Control Points (HACCP) approach to food safety will be discussed.
ANSC	4642	Food Microbiology Laboratory	An introductory laboratory course in sampling of foods for microbiological analysis, enumeration of
ANSC	4662W	Dairy Herd Management	Dairy farm management practices with emphasis on business and economic decision making. The effects of various programs in selection, nutrition, facilities, reproduction and herd health on overall business health will be evaluated. Each student will manage a computer simulated herd during the semester. Field trips are required.
ANTH	Anthropology		
ANTH	1000	Other People's Worlds	A survey of the development, contributions, and contemporary social problems of selected non-
ANTH	3002	Culture, Language, and Thought	Anthropological contributions to the study of language, culture, and their relationship. Topics include
ANTH	3026	Peoples and Cultures of North	A survey of representative Native American cultures as they existed prior to the twentieth century,
ANTH	3030	Peoples of the Pacific Islands	Survey of the indigenous societies and cultures of the Pacific Islands, from the first settlement to the
ANTH	3351	Sex and Gender	Cross-cultural and interdisciplinary analysis of biological sex, gender, sex roles, and sexuality.
ANTH	3512	African Prehistory	The African archaeological record from first artifacts to historic times. The stone age, the domestication of crops, the ways of life of early herding societies, the development of metal working, and the rise of early African kingdoms.
ANTH	3513	Near Eastern Prehistory	From the earliest hunter-gatherers to the rise of the state: the transition from food gathering to food
ANTH	3514	European Prehistory	Interdisciplinary survey of the archaeological, biological, cultural, and behavioral evolution of prehistoric humans and their societies across Europe and portions of western Asia.
ANTH	3522	Ecological Anthropology Seminar	Interdisciplinary study of the ecology of humans, integrating ecological and anthropological theory with archaeological, historical, and contemporary case-studies.
ANTH	3523	The Origins of Agriculture	The origins and spread of agriculture worldwide. Economic, social, and ideological ramifications of the agricultural transition. Processes of plant and animal domestication.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ANTH	3703	Zooarchaeological Method and	Method and theory of archaeological faunal analysis, including training in the identification of skeletal
ANTH	3706	Archaeobotany	Method and theory of studying archaeological plant remains in the laboratory, including sampling, identification, and interpretation of data.
ANTH	3902	North American Prehistory	Prehistoric cultures of North America from the earliest traces to European contact, with emphasis on the region east of the Mississippi.
ARTH	3645	From Revolution to Reggae: Modern and Contemporary Caribbean Art	A survey of art and visual production in the Caribbean from the 1804 Haitian Revolution to the present.
AASI	Asian and Asian American Studies Institute		
AASI	3201	Introduction to Asian American Studies	A multidisciplinary introduction to major themes in Asian American Studies. Concepts of identity and community, migration and labor histories, Asians and the law, representations of Asians in visual and popular culture, gender issues, interracial and interethnic relations, and human rights.
AASI	3221	Sociological Perspectives on Asian	An overview of social structures, inter-group relations, and women's rights, focusing on the
AASI	3222	Asian Indian Women: Activism and Social Change in India and the US	How gender, class and ethnicity/race structure everyday lives of Asian Indian women in both India and the United States.
BIOL	Biology		
BIOL	1102	Foundations of Biology	Major biological principles with emphasis on their importance to humans and modern society; designed for non-science majors.
BIOL	1103	The Biology of Human Health and Disease	A laboratory course designed for non-science majors to introduce the concepts of biology and their application to the individual, society and humankind by focusing on health and disease issues. A fee of \$10 is charged for this course.
BIOL	1108	Principles of Biology	Ecology, evolution, genetics, and plant biology (BIOL 1108).
BIOL	1109	Topics in Modern Biology	Readings, lectures, seminars, films and field trips exploring current developments in biology and their social and scientific implications.
BIOL	1110	Introduction to Botany	Designed to provide a foundation for more advanced courses in biology and related sciences. Structure, physiology, reproduction, diversity, evolution, and ecology of plants as a basis for understanding the broader principles of biology. Surveys important groups of plants, fungi, and algae.
BIOL	3520W	Ethical Perspectives in Biological Research and Technology	Ethical and policy issues arising from advances in biological research and technology, including topics in ecology, molecular biology, and physiology.
BME	Biomedical Medical Engineering		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

BME	3700	Biomaterials	A lecture and laboratory course that introduces a series of implant materials including metals, ceramics, glass ceramics, polymers, and composites. These materials are compared with the natural materials, with consideration given to issues of mechanical properties, biocompatibility, degradation of materials by biological systems, and biological response to artificial materials. Particular attention is given to the materials for the total hip prosthesis, dental restoration, and implantable medical devices.
BUSN	Business		
BUSN	1801	Contemporary Issues in the World of Business	The world of business has changed. No longer can we refer to the cliché “business as usual.” Today’s business world is a complex, challenging and exciting place. Each section of this course will capture some aspect of that challenge and excitement. Students will be exposed to undercurrents that challenge and perplex today’s managers and executives around the globe. Students should consult the scheduling booklet for specific topics offered.
BADM	Business Administration		
BADM	1801	Contemporary Issues in the World of Business	The world of business has changed. No longer can we refer to the cliché “business as usual.” Today’s business world is a complex, challenging and exciting place. Each section of this course will capture some aspect of that challenge and excitement. Students will be exposed to undercurrents that challenge and perplex today’s managers and executives around the globe. Students should consult the scheduling booklet for specific topics offered.
BADM	3252	Corporate Social Impact and Responsibility	Social impact and human rights implications related to global operations of multinational corporations; regulatory environment and competitive contexts that govern responsible business conduct on a global scale, how to navigate regulatory mandates and design social responsibility strategies to increase a firm’s reputation, reduce costs, and improve its competitive positioning while respecting human rights principles.
BADM	3254	Business Solutions to Societal Challenges	Market-based solutions to social and human rights challenges; how companies create value both for society and business, including role of for-profit businesses as agents for positive social impact in changing legal, regulatory, policy, and market environments. Regulatory and business strategies for long-term economic viability, sustainability, and human rights. Social innovation, statutory benefit corporations, corporate social certifications, social investment, shared value, strategic philanthropy, and business opportunities serving emerging markets.
BADM	3274	Real Estate Law	Examination of the legal and ethical aspects of real estate interests, transactions, zoning, and land use. A study is made of present and future land interests, non-possessory interests, fixtures, liens, co-ownership of real estate, residential and commercial landlord-tenant relationships, multi-unit real estate interests, real estate brokerage and fair housing, transfer and financing methods, environmental law, and taxation of real estate transactions.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

BADM	3681	Legal Aspects of Entrepreneurship	Focuses on legal issues affecting new and growing businesses. Topics include choosing a legal form for the business, raising money and securities regulation, mergers, acquisitions, and liquidation. Also covers protecting intellectual property, employment, consumer protection, sales contracts and liability. In addition legal aspects of distribution, e-commerce, establishing a presence in a foreign market and <u>environmental law are studied.</u>
BADM	3720	The Legal and Ethical Environment of Business	The meaning of law and the structure of the legal and regulatory system are studied with a view toward the impact of law upon the operation of global business. Key philosophies of ethics and social responsibility are examined through the lens of stakeholder analysis and other analytical tools. Examination of the institutional foundations of law including court systems, court procedures, and constitutional law. The application of law to shape the legal environment of business through government regulation and legal liability is examined through exploration of tort and product liability, worker protection, and business organization law.
BLAW	Business Law		
BLAW	3252	Corporate Social Impact and Responsibility	Social impact and human rights implications related to global operations of multinational corporations; regulatory environment and competitive contexts that govern responsible business conduct on a global scale, how to navigate regulatory mandates and design social responsibility strategies to increase a firm's reputation, reduce costs, and improve its competitive positioning while <u>respecting human rights principles.</u>
BLAW	3254	Business Solutions to Societal Challenges	Market-based solutions to social and human rights challenges; how companies create value both for society and business, including role of for-profit businesses as agents for positive social impact in changing legal, regulatory, policy, and market environments. Regulatory and business strategies for long-term economic viability, sustainability, and human rights. Social innovation, statutory benefit corporations, corporate social certifications, social investment, shared value, strategic philanthropy, and <u>business opportunities serving emerging markets.</u>
CHEG	Chemical Engineering		
CHEG	1200	Introduction to Food Science and Engineering	Introduction to the chemistry and engineering concepts related to the commercial and personal preparation of various foodstuffs, including meats, dairy, baking, and beverages. In-class <u>demonstration and small laboratory projects.</u>
CHEM	Chemistry		
CHEM	1137Q	Enhanced General Chemistry I	Atoms, molecules, ions, chemical bonding. Gases, liquids, solids, solutions, equilibrium, thermodynamics, nuclear chemistry, kinetics and organic chemistry. May include modern materials, <u>environmental chemistry, metallurgy, and biochemistry.</u>
CHEM	1138Q	Enhanced General Chemistry II	Atoms, molecules, ions, chemical bonding. Gases, liquids, solids, solutions, equilibrium, thermodynamics, nuclear chemistry, kinetics and organic chemistry. May include modern materials, <u>environmental chemistry, metallurgy, and biochemistry.</u>

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

CHEM	1147Q	Honors General Chemistry I	Atomic and molecular theory and the properties of gases, liquids, solids, and solutions. Topics which may be covered in depth are the nature of the chemical bond, chemical equilibria, thermodynamics, electrochemistry and nuclear chemistry. The laboratory work is primarily quantitative in nature. Considerable personal initiative will be demanded of students in carrying out laboratory assignments. A fee of \$20 is charged for this course for the first semester and \$20 for the second semester.
CHEM	1148Q	Honors General Chemistry II	Atomic and molecular theory and the properties of gases, liquids, solids, and solutions. Topics which may be covered in depth are the nature of the chemical bond, chemical equilibria, thermodynamics, electrochemistry and nuclear chemistry. The laboratory work is primarily quantitative in nature. Considerable personal initiative will be demanded of students in carrying out laboratory assignments. A fee of \$20 is charged for this course for the first semester and \$20 for the second semester.
CHIN	Chinese		
CHIN	1122	Modern Chinese Culture	Introduction to modern Chinese culture from the fall of the Qing Dynasty to the present period. Survey of institutions, philosophy, and social customs seen through literature and films.
CE	Civil Engineering		
CE	2410	Introduction to Geospatial Analysis and Measurement	Elementary plane surveying, geospatial coordinate systems, error and accuracy analysis, introduction to geographic information systems, theory and uses of global positioning systems, introduction to land-surface remote sensing in the context of civil and environmental engineering.
CE	2500	Introduction to Geographic	Fundamental principles of geographic information systems (GIS). Topics include history of the field,
CE	2710	Transportation Engineering and Planning	Design of transportation facilities. Traffic flow and capacity analysis. Travel demand analysis and planning methods.
CE	3120	Fluid Mechanics	Statics of fluids, analysis of fluid flow using principles of mass, momentum and energy conservation
CE	3251	Civil and Environmental Engineering Applications of Probability and Statistics	Multiple regression. Analysis of variance. Student project applying probability or statistics in a civil or environmental engineering context.
CE	3510	Soil Mechanics	Fundamentals of soil behavior and its use as a construction material. Effective stress principle, seepage and flow nets, consolidation, shear strength, limit equilibrium analysis.
CE	4210	Operations Research in Civil and	Critical path method for scheduling and managing engineering project tasks. Resource allocation
CE	4410	Computer Aided Site Design	Roadway and street network design and site development using computer software, including grading and earthwork, runoff and drainage structures.
CE	4510	Foundation Design	Application of soil properties to design of foundations, retaining structures, excavation drainage, shallow footings, deep foundations, specifications, subsurface exploration.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

CE	4530	Geoenvironmental Engineering	Application of geological principles to engineering and environmental problems. Topics include site investigations, geologic hazards, slope processes, earthquakes, subsidence, and the engineering properties of geologic materials. Course intended for both geoscience and engineering majors.
CE	4541	Advanced Soil Mechanics	Introduction of soil as a multi-phase material; stress and strain analysis in soil; soil compression and consolidation; shear strength of sand and clay; critical state soil mechanics; advanced topics in complex constitutive relationships; introduction to fracture mechanics.
CE	4710	Case Studies in Transportation Engineering	Analysis of case studies in transportation and urban planning and design. Application of transportation engineering and planning skills. Oral and written group reports, group discussions, individual written papers.
CE	4720	Street and Highway Design	History of street and highway design; land-use context, street design data collection and analysis, speed, safety and street network characterization; pedestrian and bikers in design, cross-section and alignment design.
CE	4730	Transportation Planning	Transportation economics, urban transportation planning process, evaluation of transportation improvements, transportation systems management.
CE	4740	Traffic Engineering Characteristics	Relationships among traffic flow characteristics; microscopic and macroscopic representations of
CE	4750	Pavement Design	Analysis and design of flexible and rigid pavements; testing and characterization of paving materials.
CE	4810	Engineering Hydrology	Hydrologic cycle: precipitation, interception, depression storage, infiltration, evapotranspiration, overland flow, snow hydrology, groundwater and streamflow processes. Stream hydrographs and flood routing. Hydrologic modeling and design.
COMM	Communication		
COMM	3450	Gender and Communication	Differences in male/female communication, and an examination of cultural assumptions regarding gender in the communication process. Critically analyze the theory, politics and practice of communication and gender.
COMM	4222	People of Color and Interpersonal Communication	Impact of race, ethnicity, and culture on interpersonal interactions. Surveys key theories and empirical works of past and current race relations in the U.S., negotiation of identity, and ways identity is communicated in various personal relationships.
COMM	4320	Media and Diverse Audiences	Issues of race, ethnicity, culture, class, gender, and sexuality in mainstream and alternative media. Analysis of how diverse groups use the media, are represented in, and interpret media content.
COMM	4422	Protest Communication	Protest movement – past and current – in light of principles, models, and theories of communication.
COMM	4430	International Communication and Conflict	Communication in international conflicts and crises. Negotiation, mediation, and transformational approaches; globalization and the media; communication in war and peace; cultural, social, political, and economic effects.
COMM	4450W	Global Communication	International communication patterns; globalization of media industries; new technologies;

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

COMM	4630	Communication Technology and Social Change	Examination of new communication technologies and their influence on social change. Provides a foundation for students with professional as well as academic interests in communication technology.
COMM	4700	Health Communication	Overview of health communication, including health behavior change interventions, emergency communication, risk assessment, media influences, provider-patient communication, socialization and identity, stereotyping, social support, diverse populations, and new communication technologies.
COMM	4802	Cultural and Global Diversity in Advertising	Advertising and marketing strategies that incorporate cultural diversity and global marketing considerations.
CLCS	Comparative Literary and Cultural Studies		
CLCS	2201	Intercultural Competency towards Global Perspectives	Introduction to the interdisciplinary and international field of intercultural communication in cultural studies, including culturally determined communicative behaviors, identity, semiotics, multi-disciplinary theories of culture, and stereotypes.
CLCS	3211	Indigenous Film World Wide	A survey of films by and about Indigenous, American Indian, First Nations, Native, and Aboriginal people. Course will focus on contemporary films and artists.
CSE	Computer Science and Engineering		
CSE	3000	Contemporary Issues in Computer Science and Engineering	The global and societal impact of computer science and engineering decisions, professional and ethical responsibility.
CSE	3002	Social, Ethical and Professional Issues in Computer Science and Engineering	Study of areas in which computer science interacts with ethical issues, and issues of public policy. Topics of professional growth, development, and responsibility. Practice in the analysis of complex issues brought about by modern technology.
CSE	3810	Computational Genomics	Computational methods for genomic data analysis. Topics covered include statistical modeling of biological sequences, probabilistic models of DNA and protein evolution, expectation maximization and Gibbs sampling algorithms, genomic sequence variation, and applications in genomics and genetic epidemiology.
DGS	Diagnostic Genetic Sciences		
DGS	4246	Contemporary Issues in Human Genetics	Historical and contemporary issues relevant to human genetics, including the layperson's understanding of genetic testing and diagnosis; and the ethical, legal, and social issues associated with them.
EEb	Ecology and Evolutionary Biology		
EEB	2202	Evolution and Human Diversity	The biological bases of human diversity from genetic and evolutionary perspectives. Topics include the genetic basis for human variation and race; adaptations of human populations; the role of genes and environments in producing human variability; cultural evolution; origin and spread of "modern" humans.
EEB	3240	Biology of Bryophytes and Lichens	Diversity, evolution, ecology, development and taxonomy of the bryophytes (mosses, liverworts and hornworts) and lichen-forming fungi.
EEB	3250	Biology of Algae	Laboratory and field-oriented study of major groups of algae, emphasizing structure, function, evolution, systematics, and ecology.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

EEB	3264	Field Parasitology	Introduction to local parasites, their evolution, identification, and common methods used for collection and preservation. Adaptations and evolutionary trends seen in various parasitic groups and how they affect their hosts.
EEB	4200	Biology of Fishes	An introduction to the biology of fishes, with an emphasis on adaptation and evolutionary diversification. Topics include the evolution of major groups, morphology, physiology, behavior, and population and community ecology. Lectures, critical discussions of current journal articles, student presentations, and exercises in the field and laboratory.
EEB	4250	General Entomology	The biology of insects: anatomy, physiology, ecology, behavior, development, evolution, and diversity.
EEB	4252	Field Entomology	Collection, identification, and ecology of insects.
EEB	4260	Ornithology	Adaptations, habits, and importance of birds.
EEB	4261	Ornithology Laboratory	Methods of field study and identification of birds; functional morphology, preparation of study skins and specimens. Field trips, including at least one required day-long weekend trip.
EEB	4262	Field Methods in Ornithology	Design of bird population surveys, census methods, behavioral studies of wild birds, data collection and reporting, bird identification skills. Field trips required.
EEB	4272	The Summer Flora	Identification of Connecticut's native and exotic plants; lecture, laboratory and field study.
EEB	4275	Invertebrate Zoology	Body organization, functional morphology and evolution compared among major invertebrate phyla. Field trips required.
EEB	4276	Plant Structural Diversity	Evolution, development, and functional consequences of structural variation in plants.
EEB	4276W	Plant Anatomy	Anatomy and ecology of plants.
ECON	Economics		
ECON	1201	Principles of Microeconomics	How the invisible hand of the market functions through the economic decisions of firms and individuals. How prices, wages and profits are determined, resources are allocated and income is distributed. Topical subjects (e.g., energy policy and health care).
ECON	1202	Principles of Macroeconomics	The organization and function of the economic system as a total unit. Economic decisions, institutions, and policies that determine levels and rates of growth of production, employment, and prices. Topical subjects (e.g., government budget deficits and current interest-rate policy).
ECON	2101	Economic History of Europe	Economic evolution of Europe from feudal times to the present, emphasizing the modern period: the rise of commerce, industry, and banking; the growth of population and the labor force; the changing position of agriculture; business fluctuations; and forms of economic organization.
ECON	2102	Economic History of the United	Issues in American economic development, including the political economy of the Constitution, the
ECON	2126	Philosophy and Economics	An examination of the normative assumptions and implications of modern economics (for example, the connections between Classical Utilitarianism and Welfare Economics). Attention to methodological controversies in contemporary economic theory.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ECON	2201	Intermediate Microeconomic Theory	Intermediate microeconomic theory, covering demand and supply, exchange and production, pricing, and welfare economics.
ECON	2202	Intermediate Macroeconomic Theory	Intermediate macroeconomic theory, covering national income accounting; the determination of aggregate output, employment and price levels; elements of business cycles and economic growth.
ECON	2411	Money and Banking	The nature of money, the origins of monetary standards and systems, the development and operation of commercial banking, the Federal Reserve System, and international monetary agencies.
ECON	2431	Economics of Taxation and Government Spending	Critical issues in taxation and government expenditures. Emphasis on institutions and public policy. Topics include: rationale for and effects of progressive taxation, reform of the tax system, Social Security and Medicare, welfare reform, defense, and fiscal federalism.
ECON	2439	Urban Development and Policy	Education, housing, anti-poverty, economic development, and transportation policies for American cities and metropolitan areas. Emphasis on different roles of policies that act upon people versus places. Analysis tools for regional economic development such as input-output matrices and cost-benefit analysis.
ECON	2440	Economics of the Global Economy	Analysis of economic integration in the global economy with emphasis on the position of the USA. Several specialist areas of economic thought brought to bear – economic history, economics of the multinational enterprise, international trade, international finance, labor economics, environmental economics, and economics of the internet. Institutional historical, and political economy approaches are emphasized.
ECON	2444	Women and Minorities in the Labor Market	Issues and problems confronting women and minorities in the workplace, using economic theory, institutional analysis, and empirical investigation. Historical background, allocation of time, discrimination, earnings determination, occupational structure, labor unions, and public policy.
ECON	2467	Economics of the Oceans	Economies of industries that use and manage ocean resources. Applications of industrial organization,
ECON	2474	Economic Development in Latin America and the Caribbean	Survey of the economic history of Latin America and the Caribbean. Analysis of present-day development issues in the region, including economic growth, poverty, education, and health
ECON	2477	Transitional Economics of Russia and	Economic transition of these formerly socialist economies into capitalist, market economies.
ECON	3208	Game Theory	Analysis of economic situations as games. Nash equilibrium, backward induction, auctions, commitment, credibility, and asymmetric information.
ECON	3421	International Trade	Economic basis of international trade, trade policies, and international economic organizations.
ECON	3422	International Finance	Payments and financing of international trade: foreign exchange markets, the balance of payments, capital flows, and international monetary arrangements.
ECON	3431	Public Finance	Government expenditures and tax policies: theories of public choice, size and mix of government budgets, alternative tax systems, and tax reform.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ECON	3438	Contemporary Problems in Economics	Current issues of government economic policy, primarily microeconomic: energy, income maintenance, labor markets for minorities and women, government regulation, health care, and others.
ECON	3439	Urban and Regional Economics	Economic problems of cities and regions: urban markets for land, labor, and housing; location decisions of businesses and households; metropolitan transportation problems; urban/suburban fiscal relations; urban and regional environmental quality; and the economics of crime.
ECON	3441	Theory of Labor Markets	Theoretical analysis of labor markets: labor supply and demand; wage differentials; human capital; and the inflation-unemployment tradeoff.
ECON	3473	Economic Development	Economics of problems facing developing nations: theories of development, and strategies and policies to promote economic development.
ECON	3479	Economic Growth	Causes and consequences of economic growth examined through theory, data, and economic history. Interactions between economic growth and population growth, technology, education, health and life expectancy, and social institutions. Public policies to promote growth.
EDCI	Education Curriculum and Instruction		
EDCI	3100	Multicultural Education, Equity and Social Justice	Introduction to multicultural education. Includes the nature and purposes of schooling, the relationship between diversity, schooling and society, and the concepts and practices of multicultural education and equity pedagogy.
EDCI	3210	Introduction to Secondary Methods and Clinic: Agricultural Teaching	Pedagogical techniques in middle and high school agriculture classroom settings, including setting student learning goals, planning and engaging students in activity that is authentic to the discipline of agriculture, with an increased focus on facilitating productive small group and whole class task-based discourse in agriculture classrooms.
EDLR	Educational Leadership		
EDLR	2001	Contemporary Social Issues in Sport	Socio-cultural, economic, political, and other related issues in sport. Sport as a social institution, the impact of sport in American culture, and the impact of American culture on sport. Sport at the youth, intercollegiate, professional, and international levels; how sport at these levels is experienced differently by individuals, communities, organizations, and society. Issues in sport relative to gender, race (ethnicity), differing physical and intellectual ability, sexual identity, and gender identity.
EPSY	Educational Psychology		
EPSY	1450W	Mind, Body, Health	The role of the mind and its effects on subjective well-being (e.g., happiness, stress, depression, anxiety) and the physical body. The past history and current literature supporting the mind-body connection, assessment, and intervention. Implications for understanding mind body health relative to quality of life.
ECE	Electrical and Computer Engineering		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ECE	3211	Power Electronics	Power converters for power processing, regulation, and control as applied to computer and telecommunication systems, transportation systems, industrial drives, and renewable power conversion systems. Power semiconductor device characteristics, transformers, and dc/dc converters including design projects.
ECE	3231	Introduction to Modern Power Systems	Fundamentals of power system planning, operation, and management. Power generation, transmission and distribution. Sustainable energy sources such as photovoltaics, solar-thermal power, wind farms, and their grid integration. Modern power system monitoring/control, fault analysis, and transient stability analysis using computer tools. Use of power system simulation tool e.g. PSS/E for power system planning.
ECE	3243	Introduction to Nanotechnology	Basic concepts of nanoscience; new physical properties at these scales (~1-100 nm); different approaches to fabricate, image, characterize and manipulate nanostructures and nanodevices; current and potential applications in areas as diverse as electronics, health and energy; societal impacts of nanotechnology.
ECE	4211	Semiconductor Devices and Nanostructures	Principles and applications of contemporary solid state devices such as light-emitting diodes, injection lasers, solar cells, p-n-p-n diodes, SCRs and TRIACs, transistors, MESFETs and MODFETs, and fundamentals of integrated circuits. Impact of nanostructures on devices.
ECE	4225	Fundamentals of Electron Device	Design of micro/nano electronic devices using state-of-the-art computer simulation tools, experimental
ENGR	Engineering		
ENGR	2243	Nanoscience and Society	Introductory, interdisciplinary honors core course on nanoscale science and society. Introduction to
ENGL	English		
ENGL	1201	Introduction to American Studies	What is an American? A multi-disciplinary inquiry into the diversity of American societies and cultures.
ENGL	3210	Native American Literature	Examination of the literatures of pre-contact, post-contact, and contemporary indigenous American
ENGL	3240	American Nature Writing	Study of writings, from the colonial era to the modern, reflecting diverse ways of imagining humanity's relation to the natural environment.
ENGL	3605	Latina/o Literature	Extensive readings in Latina/o literature from the late nineteenth century to the present.
ENGL	3607	Studies in Latina/o Literature	Advanced study of a theme, form, author, or movement in contemporary Latina/o literature.
ENGL	3609	Women's Literature	Works written by women from different countries and centuries.
ENGL	3611	Women's Literature 1900 to the Present	Modern and contemporary works written by women from different countries.
ENGL	3613	Introduction to LGBT Literature	An introduction to themes of sexual diversity in literature, related to lesbian, gay, bisexual, and
ENGL	3619	Topics in Literature and Human Rights	Study of literature from various historical periods and nationalities concerned with defining, exploring, and critiquing the idea of universal human rights.
ENGL	3631	Literature, Culture, and Humanitarianism	Relationships between literature and culture and humanitarian movements, from the eighteenth century to the present.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ENGL	3651	Maritime Non-Fiction	Classics of the non-fictional genre as they apply to an understanding of the culture of the sea. Social, humanistic, intellectual and scientific perspectives are examined through analysis of works by writers such as Steinbeck, McPhee, and Sebastian Junger.
ENGL	3715	Nature Writing Workshop	For student writers of proved ability who wish training in techniques of nature writing. Emphasis on nonfiction or poetry.
ENGL	4613W	Advanced Study: Lesbian, Gay, Bisexual and Transgender Literature	Intensive study of particular topics in the literary expression of lesbian, gay, bisexual and transgender identity.
ENVE	Environmental Engineering		
ENVE	3220	Water Quality Engineering	Physical, chemical, and biological principles for the treatment of aqueous phase contaminants; reactor dynamics and kinetics. Design projects.
ENVE	3230	Introduction to Air Pollution	Gaseous pollutants and their properties; basic analytical techniques for air pollutants; particulate pollutants and their properties; equipment design for removal of gaseous and particulate materials; economic and environmental impact of air pollutants; federal and state regulations.
ENVE	3270	Environmental Microbiology	Content includes general microbiology, cell structure, cell growth kinetics, and genetics. In addition to the fundamental microbiological mechanisms, the application of microbial knowledge in natural environment and engineering systems (including water and wastewater treatment, soil and solid waste treatment) is also included. Will broaden the students' views of microbiological fundamentals and the applications to environmental systems.
ENVE	3530	Engineering and Environmental Geology	Application of geological principles to engineering and environmental problems. Topics include site investigations, geologic hazards, slope processes, earthquakes, subsidence, and the engineering properties of geologic materials. Course intended for both geoscience and engineering majors.
ENVE	4210	Environmental Engineering Chemistry	Quantitative variables governing chemical behavior in environmental systems. Thermodynamics and kinetics of acid/base, coordination, precipitation/dissolution, and redox reactions. Organic chemistry nomenclature.
ENVE	4530	Geoenvironmental Engineering	Principles of solid waste management; design of landfills and waste containment systems; compacted
ENVE	4810	Engineering Hydrology	Hydrologic cycle: precipitation, interception, depression storage, infiltration, evapotranspiration, overland flow, snow hydrology, groundwater and streamflow processes. Stream hydrographs and flood routing. Hydrologic modeling and design.
FINA	Fine Arts		
FINA	1001	Earthtones: Vocal Ensemble	World music vocal ensemble that brings to life the songs of specific cultures as a means to gain
FREN	French		
FREN	1169	Modernity in Crisis: France and the	A cultural history of France and its colonial empire through political, social, artistic and literary

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

FREN	3211	Contemporary France	An historical and cultural overview of France in the 20th and 21st centuries: from D-Day to the European Union, from Communism to the Green Party, from ballad crooners to rap, from love stories to action films; the changing French nation through authentic documents, literary texts, and films.
GEOG	Geography		
GEOG	1700	World Regional Geography	Study of geographic relationships among natural and cultural environments that help to distinguish one part of the world from another. Analysis of selected countries as well as larger regions, with specific reference to the non-western world.
GEOG	2200	Introduction to Human Geography	Geographic perspectives on the relationships between human behavior/activities, and the physical, economic, and cultural environments.
GEOG	2300	Introduction to Physical Geography	The physical elements and processes of the lithosphere, hydrosphere and atmosphere are considered in relation to one another and to the distribution of the world's environments. Emphasis on the basic concepts and theories of physical geography.
GEOG	2310	National Parks Unearthed: Geology and Landscaped through Time	Geologic processes that shape the Earth's landscapes and interior through the study of National Parks, Monuments, and Seashores. Plate tectonics, climate and biotic change, natural hazards and resources, and environmental conservation.
GEOG	2410	New Digital Worlds of Geographic Information Science	The role of geospatial technologies in science and society; how these technologies address environmental issues; how further development of these technologies may impact lives in the future. Provides a strong conceptual and scientific foundation for further coursework and includes discussion of career opportunities in GIScience.
GEOG	2505	Applications of Geographic Information Systems	Applications of geographic information systems. Particular attention to land use planning and resource management.
GEOG	3200	Urban Geography	Analysis of the growth, distribution, and functional patterns within and among Western cities.
GEOG	3310	Fluvial Geomorphology	Physical forms and processes associated with rivers. Factors controlling open-channel flow, sediment transport, channel morphology, adjustments of rivers to environmental change, and human impacts.
GEOG	4110W	Regional Development and Policy	A study of theory and practice in regional development and planning. Emphasis on evaluation of regional problems and public policies designed to resolve them, with a primary focus on the United States.
GEOG	4130	Geographical Analysis of Transportation	Investigation of the role of transportation in global trade, spatial organization, economic development, and the natural and built environment. Application of GIS to the study of transport systems and modeling.
GEOG	4200W	Geographical Analysis of Urban Social Issues	Analysis of socioeconomic patterns and issues within urban areas, with emphasis on applied geographical research. Policy implications are stressed.
GEOG	4210	Urban and Regional Planning	Urban and regional planning, with emphasis on (1) duties of local planners, especially land use planning, and (2) the political context for planners' work. Legal and political issues in communities and organizations.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

GEOG	4220	Population Geography	Composition and growth of human populations. Concepts and techniques for analyzing populations in the context of significant population issues in the United States.
GEOG	4230	GIS and Remote Sensing for Geoscience Applications	Application of Geographic Information Systems, remote sensing, and image interpretation to problems in geoscience. Data acquisition, processing and analysis of Digital Elevation Models and satellite imagery. Geologic materials, processes, landforms and landscapes.
GEOG	4300	Advanced Physical Geography	Problems involving the application of physical processes in our changing environment.
GSCI	Geoscience		
GSCI	1055	Geoscience and the American Landscape	An Honors Core course. Foundation course in geology linked to the American Landscape through readings from American history and literature.
GSCI	2310	National Parks Unearthed: Geology and Landscaped through Time	Geologic processes that shape the Earth's landscapes and interior through the study of National Parks, Monuments, and Seashores. Plate tectonics, climate and biotic change, natural hazards and resources, and environmental conservation.
GSCI	2500	Earth System Science	Introduction to earth system science, geoscience research methods, and professional practice through lab work, field work in UConn Forest, visits to faculty labs, and culminating project.
GSCI	3010	Earth History and Global Change	Reconstruction of earth history from geological data. Processes and events responsible for the stratigraphic record, and techniques used to decipher it. An integrated survey of earth history. One or more weekend field trips may be required.
GSCI	3020	Earth Surface Processes	Processes responsible for the formation of the unconsolidated materials, landforms, and soils which constitute the Earth's surface. Introduction to surface-water and groundwater hydrology, geological hazards and the effects of climatic change. One or more weekend field trips may be required.
GSCI	3230	Beaches and Coasts	Introduction to the processes that form and modify coasts and beaches, including tectonic setting, sediment supply, coastal composition, energy regimes and sea level change; tools and techniques utilized in marine geologic mapping and reconstruction of submerged coastal features; field trips to selected coastal features.
GSCI	3710	Engineering and Environmental Geology	Application of geological principles to engineering and environmental problems. Topics include site investigation, geologic hazards, slope processes, earthquakes, subsidence, and the engineering properties of geologic materials. Course intended for both geoscience and engineering majors.
GSCI	4050W	Geoscience and Society	Application of fundamental geological principles to issues of concern to society such as global climate change; wildfires; drought and water resources; earthquake, volcano, and tsunami hazards; medical geology; energy resources; sustainability; and coastal processes.
GSCI	4510	Applied and Environmental Geophysics	Principles of imaging the Earth's interior using observations of electric, magnetic and gravity fields, with applications to environmental problems.
GSCI	4520	Exploration Seismology	Principles of seismic methods for imaging the interior of the earth, with applications to resource exploration and environmental problems.
HCMI	Healthcare Management and Insurance Studies		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HCMI	4448	Clinical and Social Issues in Health Care	Covers clinical and social issues affecting health care provider organizations, such as the health needs of special population groups, public health concerns, epidemiological issues, and health care quality. Discussion will include how health care organizations address such issues through methods including clinical studies, disease management, partnership between private and public sectors, and legislative initiatives.
HIST	History		
HIST	1203	Women in History	The historical roots of challenges faced by contemporary women as revealed in the Western and/or
HIST	1503	Introduction to American Studies	What is an American? A multi-disciplinary inquiry into the diversity of American societies and cultures.
HIST	1570	Migrant Workers in Connecticut	Interdisciplinary honors course on the life and work experiences of contemporary Latin American and Caribbean migrant workers with focus on Connecticut. Integrated service learning component.
HIST	1600	Introduction to Latin American and the Caribbean	Multidisciplinary exploration of the historical development of such aspects of Latin America and the Caribbean as colonization and nation formation; geography and the environment; immigration and migration; race, ethnicity, and gender in society, politics, economy, and culture.
HIST	2206	History of Science	Development of modern science and technology in relation to culture, politics, and social issues.
HIST	2210	History of the Ocean	Cultural, environmental, and geopolitical history of the ocean from prehistory to the present. Examines the impact of migration, industrialization, modernization, and globalization on the relationships between people and oceans.
HIST	3201	The History of Human Rights	Case studies in the emergence and evolution of human rights as experience and concept.
HIST	3208	Making the Black Atlantic	Recent scholarship on the central role played by African-descended communities in shaping the early history of the Americas and their interconnection beyond geopolitical boundaries; race, gender, sexuality, class, religion, cultural movements and practices; slavery, political economy, and political movements.
HIST	3209	Maritime Archaeology of the	Archaeological and historical sources to examine the development of seafaring practices, exploration,
HIST	3426	Social and Economic History of Modern Britain	The change from an agrarian to an industrial society.
HIST	3541	The History of Urban America	The development of Urban America with emphasis on social, political, physical, and environmental change in the industrial city.
HIST	3544	Atlantic Voyages	Seafaring and society since the age of Columbus. Emphasis on the Anglo-American experience.
HIST	3554	Immigrants and the Shaping of American History	The origins of immigration to the United States and the interaction of immigrants with the social, political, and economic life of the nation after 1789, with emphasis on such topics as nativism, assimilation, and the “ethnic legacy.”
HIST	3555	Work and Workers in American Society	Changes in work from the 17th through the 20th centuries. Workers’ experiences, ideologies, and activities as shaped by gender, race/ethnicity, region, occupation, and industry.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HIST	3560	Constructions of Race, Gender, and Sexuality in U.S. History	Examination of historical development, interconnections, and complexities of conceptions of race, gender, and sexuality in U.S. from European conquest to the present.
HIST	3561	History of Women and Gender in the U.S. to 1850	Gender ideologies of indigenous and settler cultures, changing conditions of women's and men's lives as the U.S. became a nation, while emphasizing intersections with ethnicity, race, class, religion, and region.
HIST	3562	History of Women and Gender in the United States, 1850-Present	History of gender and the lives and cultural representations of women in the U.S., emphasizing intersections with race, sexuality, class, region, and nation.
HIST	3563	African American History to 1865	History of African-American people to 1865, from their West African roots, to their presence in
HIST	3564	African American History Since 1865	History of African-American people since the Civil war. Contributions by black people to American development. African-American activity in international arenas.
HIST	3570	American Indian History	Surveys American Indian History in what is now the United States from Pre-Columbian times up to the present. Cultural diversity among Indian peoples, the effects of European contact, tribal sovereignty, and other current issues.
HIST	3620	Cuba, Puerto Rico, and the Spanish Caribbean	Discovery and settlement, slavery and plantation economy, recent political and economic developments, and United States relations with the Spanish Caribbean.
HIST	3621	Cuba in Local and Global Perspective	Major themes in Cuban politics and culture. Local and global perspective. Key topics include race, gender, class, cultural movements and practices, slavery, political economy and movements, nationalism.
HIST	3622	History of Gender and Sexuality in Latin America and the Caribbean	Topics may include empire and colonialism/anti-colonialism; slavery, science, and the state; cultural practices and institutions; feminisms and masculinities; law and public policies; immigration; forms of labor and political mobilization; sex and reproduction; and human rights from historical perspective.
HDFS	Human Development and Family Studies		
HDFS	1060	Close Relationships Across a Lifespan	Theory and research on topics in the close relationship literature including attraction, relationship development and maintenance, friendship and social support, love, sexuality, intimacy, power, communication, conflict, dissolution and divorce, and bereavement.
HDFS	1070	Individual and Family Development	Human development throughout the life span, with emphasis upon the family as a primary context.
HDFS	2100	Human Development: Infancy Through Adolescence	Individual development and behavior from prenatal period through adolescence; impact of peers, school, other social agencies, and especially the family.
HDFS	2200	Human Development: Adulthood and Aging	Individual development and behavior from young adulthood through later life with special attention given to family and social influences. Physical, cognitive, social and personality changes, role transitions, and interpersonal and intergenerational relationships.
HDFS	2300	Family Interaction Processes	Family interaction: communication processes, bonding behaviors, management of conflict and

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HDFS	3110	Social and Community Influence on Children in the United States	Based on an ecological/contextual perspective students investigate the impact on child development of community characteristics and social groups and organizations on the development of children in the United States. Possible topics include: family, peers, schools, media, economic status, health care, social services, and the legal system. For each topic, focus is on factors related to promoting resilience.
HDFS	3268	Latinos: Sexuality and Gender	Critical discussion of issues involving gender and sexuality among Latinos, with particular attention to
HDFS	3310	Parent-Child Relations in Cross-Cultural Perspective	Theory and research on major dimensions of parenting in the U.S.A. and cross-culturally: parental warmth, control and punishment.
HDFS	3319	Risk and Resilience in Individuals	Challenges, stresses, and crises experienced by individuals and families; protective factors and
HDFS	3340	Individual and Family Interventions	An introduction to individual, couple, family, and group intervention. Topics include counseling
HDFS	3343	Family Life Education	Theory and practice of family life education including program development, implementation, evaluation, and professional ethics.
HDFS	3420	Abuse and Violence in Families	Historical, psychological, sociological and legal issues relating to abuse and family violence across the lifespan, including child maltreatment and elder abuse. Introduction to methods for prevention and remediation.
HDFS	3421	Low Income Families	Impact of poverty and related problems on development of the child in the context of the family. Family structure, childrearing patterns, early educational and community programs.
HDFS	3433	Consumer Rights and Responsibilities	The rights and responsibilities of consumers with emphasis on the consumer decisions of individuals, households, and families throughout the lifespan.
HDFS	3510	Planning and Managing Human Service Programs	Planning techniques: needs assessment, data collection and analysis, budgeting, and evaluation. Management skills: decision making, management theory and organizational behavior, personnel motivation, accountability, and financial management.
HDFS	3520	Legal Aspects of Family Life	Overview of historical roots and key aspects of family law. The case method is used to analyze the causes and effects of contemporary trends. Topics include: the regulation of marriage, separation, and divorce; procreation and abortion; adoption; child custody and support; and, end-of-life issues.
HDFS	3530	Public Policy and the Family	Analysis of government programs and policies impacting the family: child care, aging, family law, mental health, family violence, income maintenance, and family impact analysis.
HDFS	3540	Child Welfare, Law and Social Policy	Examines the methods through which empirical social science research can affect law and public policy affecting children and families.
HDFS	3550	Comparative Family Policy	Comparative analysis of government programs and policies impacting families in the United States and other countries. Health and welfare policies, family planning, child care, teen pregnancy, and care of the aged.
HRTS	Human Rights		
HRTS	2263	Women and Violence	Discussion of various forms of gendered violence in the United States and in a global context. Physical, sexual, emotional and structural violence; social, political and personal meanings of gendered violence; special emphasis on women.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HRTS	3028	Indigenous Rights and Aboriginal Australia	An introduction to the study and understanding of Aboriginal ways of life and thought. An exploration of the complexity of contemporary indigenous social orders and land rights issues.
HRTS	3042	Theories of Human Rights	Various theories of human rights, both historical and contemporary. Conceptual arguments both in favor and critical of the theory and practice of human rights will be considered, with literature taken primarily from philosophy and political theory.
HRTS	3139	Theatre and Human Rights	Provides a critical study of theatre production as political discourse in global areas of conflict and how that discourse defines, or is defined by, human rights issues.
HRTS	3149	Human Rights Through Film	Human rights-related issues explored via the cinematic medium. Both the substantive content and the
HRTS	3201	The History of Human Rights	Case studies in the emergence and evolution of human rights as experience and concept.
HRTS	3207	Genocide after the Second World War	Origins of the 1948 Genocide Convention. Several case studies of genocide post WWII: Cambodia, Rwanda, the former Yugoslavia, and Darfur. Causes and underlying dynamics of genocide with an emphasis on the international response. Critical evaluation of military, political, and non-governmental measures to prevent genocidal acts.
HRTS	3252	Corporate Social Impact and Responsibility	Social impact and human rights implications related to global operations of multinational corporations; regulatory environment and competitive contexts that govern responsible business conduct on a global scale, how to navigate regulatory mandates and design social responsibility strategies to increase a firm's reputation, reduce costs, and improve its competitive positioning while respecting human rights principles.
HRTS	3254	Business Solutions for Societal Changes	Market-based solutions to social and human rights challenges; how companies create value both for society and business, including role of for-profit businesses as agents for positive social impact in changing legal, regulatory, policy, and market environments. Regulatory and business strategies for long-term economic viability, sustainability, and human rights. Social innovation, statutory benefit corporations, corporate social certifications, social investment, shared value, strategic philanthropy, and business opportunities serving emerging markets.
HRTS	3256	Politics and Human Rights in Global Supply Chains	Political and human rights implications of regulating contemporary global supply chains: official regulatory frameworks; non-regulatory approaches to rule-making (such as voluntary corporate codes of conduct and industry standards); social responses to the dilemmas of "ethical" sourcing of goods and services.
HRTS	3420	Being International: Geopolitics and Human Rights	Human rights theories and debates and their historical, institutional and geopolitical contexts.
HRTS	3421	Class, Power, and Inequality	Inequality and its consequences in contemporary societies.
HRTS	3573	Asian Indian Women: Activism and Social Change in India and the US	How gender, class and ethnicity/race structure everyday lives of Asian Indian women in both India and the United States.
HRTS	3631	Literature, Culture, and Humanitarianism	Relationships between literature and culture and humanitarian movements, from the eighteenth century to the present.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HRTS	3807	Constitutional Rights and Liberties	The role of the Supreme Court in interpreting the Bill of Rights. Topics include freedoms of speech and religion, criminal due process, and equal protection.
HRTS	3825	African Americans and Social Protest	Social and economic-justice movements, from the beginning of the Civil Rights movement to the present.
HRTS	3835	Refugees and Humanitarianism	Social and political challenges of living as a refugee and working in humanitarian settings. Refugee camps, the institutional development of the United Nations High Commissioner for Refugees, and alternative approaches to sanctuary.
INTD	Interdepartmental		
INTD	2245	Introduction to Diversity Studies in American Culture	An interdisciplinary introduction to comparative multicultural studies in the United States. Topics may include: African American, Asian American, Latino/a, and Native American cultures; gender, feminism, religious and sexual identities; and disability studies.
INTD	3200	Introduction to Correctional Health	Major concepts and topics in correctional health.
INTD	3584	Seminar in Urban Problems	Discussions based upon assigned readings and led by faculty and invited speakers from outside and
LAND	Landscape Architecture		
LAND	3310	Landscape Architecture: Construction	Theory and practice in manipulating landform in landscape architecture. Earthwork computation,
LAND	3330	Landscape Architecture: Construction III - Planting Design	Knowledge and theory of the role of plants as visual, spatial, ecological and cultural design elements and systems. Analysis and creation of planting plans that support and develop design concepts and respond to physical site conditions. Application on a variety of project types in a studio environment.
LAND	3420	Landscape Architecture: Design II - Space, Form and Meaning	Knowledge and theory of spatial form in architecture, landscape architecture and urban design. Application of theory in the creation of 3-dimensional landscape models in a studio environment. Student attitudes about self-expression, environmental issues and social responsibility will be explored.
LAND	4440	Landscape Architecture: Design IV - Community Planning	Knowledge and theory of design of large scale landscapes such as open space systems, village and town centers and residential subdivisions. Application of theory to a variety of projects including community outreach work.
LLAS	Latin and Latin American Studies		
LLAS	1190	Introduction to Latin America and the Caribbean	Multidisciplinary exploration of the historical development of such aspects of Latin America and the Caribbean as colonization and nation formation; geography and the environment; immigration and migration; race, ethnicity, and gender in society, politics, economy, and culture.
LLAS	1570	Migrant Workers in Connecticut	Interdisciplinary honors course on the life and work experiences of contemporary Latin American and Caribbean migrant workers with focus on Connecticut. Integrated service learning component.
LLAS	3241	Latin American Minorities in the United States	Emphasis on groups of Mexican, Puerto Rican and Cuban origin, including treatment and historical background, social stratification, informal social relations, ethnic perceptions, relations and the concept of Latino identity.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

LLAS	3250	Latino Health and Health Care	Overview of health and health care issues among Latinos in the United States. Particular attention is paid to cultural and social factors associated with health and well-being (e.g. migration, acculturation, SES).
LLAS	3251	Latinos: Sexuality and Gender	Critical discussion of issues involving gender and sexuality among Latinos, with particular attention to race, class, ethnicity, and acculturation.
LLAS	3265	Literature of Puerto Rico and the Spanish Caribbean	Readings and discussions of major authors and works of the Spanish Caribbean with special emphasis on Puerto Rico.
LLAS	3622	History of Gender and Sexuality in Latin America and the Caribbean	Topics may include empire and colonialism/anti-colonialism; slavery, science, and the state; cultural practices and institutions; feminisms and masculinities; law and public policies; immigration; forms of
LLAS	4320	Media and Diverse Audiences	Issues of race, ethnicity, culture, class, gender, and sexuality in mainstream and alternative media. Analysis of how diverse groups use the media, are represented in, and interpret media content.
LING	Linguistics		
LING	1030	The Diversity of Languages	Overview of world languages and language families. Typological classifications of linguistic properties: what can we expect in the structure of a language? Unity and diversity of language systems. Mechanisms of language change and variation.
LING	3610W	Language and Culture	The study of language, culture, and their relationship. Topics include the evolution of the human language capacity; the principles of historical language change including reconstruction of Indo-European and Native American language families; writing systems; linguistic forms such as Pidgins and Creoles arising from languages in contact; the interaction between language and political systems, the struggle for human rights, gender, ethnicity, and ethnobiology.
MGMT	Management		
MGMT	1801	Contemporary Issues in the World of Management	Topics reflecting the complexities, challenges and excitement of today's business world.
MGMT	3239	Managing a Diverse Workforce	Examines issues related to managing an increasingly diverse workforce. Diversity in the workplace may result from differences in individual characteristics such as gender, race, ethnicity, national origin, and physical ability/disability. Diversity-related issues with management implications to be examined include personal identity, recruitment and selection, work group interactions, leadership, career development and advancement, sexual harassment, work and family, accommodation of people with disabilities, and organizational strategies for promoting equal opportunity and a positive attitude toward diversity among all employees.
MARN	Marine Sciences		
MARN	1002	Introduction to Oceanography	Processes governing the geology, circulation, chemistry and biological productivity of the world's oceans. Emphasis is placed on the interactions and interrelationships between physical, chemical, biological and geological processes that contribute to both the stability and the variability of the marine environment.

**Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus**

MARN	1003	Introduction to Oceanography with Laboratory	Processes governing the geology, circulation, chemistry and biological productivity of the world's oceans. Emphasis on the interactions and interrelationships of physical, chemical, biological and geological processes that contribute to both the stability and the variability of the marine environment. Laboratory experiments, hands-on exercises, and field observations including required cruise on research vessel.
MARN	1004	Oceanography Laboratory	Laboratory experiments, hands-on exercises, and field observations (including required cruise on research vessel) that teach fundamental oceanographic concepts emphasizing physical, chemical, and biological processes and their interaction in the marine environment.
MARN	2002	Marine Sciences I	Biological, chemical, physical, and geological structure and function of coastal systems; a worldwide survey with emphasis on important coastal habitats and processes.
MARN	2060	Introduction to Coastal Meteorology	Introduction to the structure, circulation, and thermodynamic processes within the Earth's atmosphere. Emphasis on weather phenomena impacting the coastlines, including sea breezes, coastal convection, waterspouts, and hurricanes.
MARN	3001	Marine Sciences II	Biological, chemical, physical and geological structure and function of coastal systems, with a special focus on field observations in three important coastal habitats: beaches and rocky shores, marshes, and estuaries.
MARN	3012	Marine Invertebrate Biology	Comparative examination of major adaptations and functional responses of marine invertebrates to biotic and abiotic factors in the marine environment. Field trips required.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

MARN	3015	Molecular Approaches to Biological Oceanography	Principles and technology in nucleic acid purification and manipulation, DNA fingerprinting, gene cloning and sequencing, phylogenetic analysis, and detection of gene expression (mRNA and protein). Application examples in marine ecological studies.
MARN	3060	Coastal Circulation and Sediment Transport	Circulation and mixing in estuaries and the inner continental shelf, including surface gravity waves, tides, and buoyancy and wind-driven circulation. Coastal sediments, geomorphology, and processes of sedimentation, erosion and bioturbation. Required field trips.
MARN	3230	Beaches and Coasts	Introduction to the processes that form and modify coasts and beaches, including tectonic setting, sediment supply, coastal composition, energy regimes and sea level change; tools and techniques utilized in marine geologic mapping and reconstruction of submerged coastal features; field trips to selected coastal features.
MARN	4010	Biological Oceanography	Structure and function of marine food webs, from primary producers to top trophic levels; interaction of marine organisms with the environment; energy and mass flow in food webs; elemental cycling; coupling between pelagic and benthic environments.
MAST	Maritime Studies		
MAST	1200	Introduction to Maritime Culture	A study of history and literature to understand the international maritime culture that links peoples, nations, economies, environments, and cultural aesthetics.
MAST	1300	Maritime Communities	Maritime communities and environment in an interdisciplinary and international context from economic, geographic, historical, and other social science perspectives.
MAST	2101	Introduction to Maritime Studies	An introduction to the interdisciplinary, study of maritime-related topics with an examination of the maritime physical environment and maritime cultures, history, literature, and industries.
MAST	2210	History of the Ocean	Cultural, environmental, and geopolitical history of the ocean from prehistory to the present. Examines the impact of migration, industrialization, modernization, and globalization on the relationships between people and oceans.
MAST	2467	Economics of the Oceans	Economies of industries that use and manage ocean resources. Applications of industrial organization, law and economics, natural resource theory, and environmental economics.
MAST	3531	Maritime Archaeology of the Americas	Archaeological and historical sources to examine the development of seafaring practices, exploration, waterborne trade and economic systems, naval warfare and shipbuilding in the Americas from the fifteenth to the beginning of the twentieth century.
MSE	Materials Science and Engineering		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

MSE	4241	Nanomaterials Characterization and Application	Introduces materials characterization and applications at the nanoscale. Standard and advanced methods in Scanning Probe Microscopy, Electron Microscopy, and Focused Ion Beams are presented. Self-Assembled and Lithographically defined structures are treated. Nanoscale particles, tubes, films, and structures are discussed. Applications for enhanced mechanical, electronic, magnetic, optical, and biological properties are described. Societal implications including performance, costs, environmental impacts, and health issues are addressed. Readings from modern scientific literature are assigned weekly for in-class discussions.
MSE	4800	Materials for Advanced Fossil Energy Systems	Will familiarize students with the state of the art in fossil fuel power generation technologies ranging from conventional combustion to emerging technologies such as oxy-fuel combustion; integrated coal gasification (IGCC) and fuel cell (IGFC) systems; and CO ₂ separation and sequestration.
MCB	Molecular and Cell Biology		
MCB	2000	Introduction to Biochemistry	The structure, chemistry, and metabolism of carbohydrates, lipids and proteins. Enzyme function and kinetics, energy metabolism, and structure and function of nucleic acids. A survey course for students of agriculture, general biology, medical technology, nursing, and pharmacy. Molecular and Cell Biology majors, biophysics majors, and other students desiring a more intensive introduction or considering advanced course work in biochemistry or molecular biology should take MCB 3010. A fee of \$25 is charged for this course.
MCB	2610	Fundamentals of Microbiology	Biology of microorganisms, especially bacteria. Cellular structure, physiology, genetics, and interactions with higher forms of life. Laboratory familiarizes students with methodology of microbiology and aseptic techniques.
MCB	3010	Biochemistry	The structure and function of biological macromolecules. The metabolism of carbohydrates, lipids, amino acids, proteins and nucleic acids. The regulation of metabolism and biosynthesis of biological macromolecules. An in-depth introduction intended for students planning to take advanced course work in biochemistry, biophysics, or other areas of molecular biology.
NRE	Natural Resources and the Environment		
NRE	2010	Natural Resources Measurements	Principles and instrumentation used in the measurement of environmental conditions and processes.
NRE	2345	Introduction to Fisheries and Wildlife	An introduction to the basic principles used in the management of wildlife and fish populations, their habitats and ecosystems, and their human stewards. Students will be introduced to the fundamental concepts, topics, and skill sets that are commonly needed in the wildlife and fisheries profession.
NRE	2415	Dendrology	The taxonomy, silvics, and distribution of trees and shrubs of the United States with emphasis upon Northeastern species. Field trips will be required.
NRE	3145	Meteorology	A survey course in meteorology at the introductory level covering weather and climate processes.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

NRE	3155	Water Quality Management	An introduction to all aspects of water quality problems relating to the many beneficial uses of water, including the physical, chemical, and biological properties.
NRE	3201	Conservation Law Enforcement	Basic pre-professional course for majors in natural resource conservation and related disciplines. Recommended for persons considering a career in wildlife, fisheries, law enforcement, or other natural resource conservation and management disciplines.
NRE	3335	Wildlife Management	Brief review of wildlife conservation and ecological principles; management of wetlands, farmlands, rangelands, and forest lands for wildlife; programs dealing with exotic, urban, nongame, and endangered wildlife; contemporary economic, administrative, and policy aspects of management.
NRE	3345	Wildlife Management Techniques	Design and implementation of projects for wildlife research and monitoring that address conservation and management issues. Topics include capture and handling of animals, population estimation, wildlife-habitat relationships, resource selection, and space use. This course is designed for pre-professional students and meets professional certification requirements.
NRE	3365	Private Lands Wildlife Management	Companion course for Public Lands Wildlife Management (NRE 3355). Provides practical experience and acquaintance with persons or groups managing wildlife resources on private properties such as nature preserves, land trusts, non-governmental organizations, farms, recreational clubs, commercial shooting preserves and propagation facilities. Appreciation for private land management options, economic realities and other challenges, plus ability to assess resource potentials on private land, are stressed. Field trips required.
NRE	3535	Remote Sensing of the Environment	The principles of the interpretation of remote sensing imagery acquired from aircraft and satellite platforms will be studied. Applications of remote sensing to natural resources and the environment will be discussed.
NRE	4335	Fisheries Management	Introduction to fisheries management principles with application to the biotic, habitat, and human components of fisheries. Selected topics include sampling gears, harvest regulations, stocking, population dynamics, and habitat management practices in ponds, lake, reservoir, river, and stream fisheries.
NUSC	Nutritional Sciences		
NUSC	1030	Interdisciplinary Approach to Obesity Prevention	Explores the biology of obesity including genetic predispositions and behaviors that increase obesity risk (dietary, physical activity, social, psychological), the obesigenic environment, including how communities are physically built, as well as the economic relationship to obesity risk, and policy and ethical implications for obesity prevention. Multi-level obesity prevention approaches that involve the individual, family, organization, community, and policy.
NUSC	1166	Honors Colloquium in Nutrition	Lectures, discussions, and laboratory exercises to complement topics from NUSC 1165. Primarily for, but not restricted to, honors students.
NUSC	1645	The Science of Food	An introductory level course for students interested in the application of science to food. Nutritional and functional attributes of various food constituents are discussed. Issues concerning food processing and food safety are covered.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

NUSC	3171	Husky Nutrition I	Lecture and experiential learning in pre-schools where students conduct learning activities about reducing sweetened beverage consumption. Lecture, applied learning laboratory, supervised field work with community nutrition education and problem-solving. Readings, discussion and reflections.
NUSC	3172	Husky Nutrition II	Lecture and learning laboratory, with supervised field work in providing healthy nutrition education in community settings. Readings, quizzes, discussions, reflections and a term paper.
PVS	Pathobiology and Veterinary Science (PVS)		
PVS	1000	Biomedical Issues in Pathobiology	This introductory course focuses on current global issues of health and disease to describe fundamental topics in pathobiology. Global biomedical concerns regarding infectious diseases, population, cancer, biotechnology and environmental health will be addressed. Course content will provide examples of the impact of veterinary and human pathology on world health issues.
PHIL	Philosophy		
PHIL	1104	Philosophy and Social Ethics	Topics may include the nature of the good life, the relation between social morality and individual rights, and practical moral dilemmas.
PHIL	1175	Ethical Issues in Health Care	Theories of ethics, with specific application to ethical issues in modern health care.
PHIL	2217	Social and Political Philosophy	Conceptual, ontological, and normative issues in political life and thought; political obligation; collective responsibility; justice; liberty; equality; community; the nature of rights; the nature of law; the justification of punishment; related doctrines of classic and contemporary theorists such as Plato, Rousseau, John Rawls.
PHIL	3218	Feminist Theory	Philosophical issues in feminist theory. Topics may include the nature of gender difference, the injustice of male domination and its relation to other forms of domination, the social and political theory of women's equality in the home, in the workplace, and in politics.
POLS	Political Science		
POLS	3042	Theories of Human Rights	Various theories of human rights, both historical and contemporary. Conceptual arguments both in favor and critical of the theory and practice of human rights will be considered, with literature taken primarily from philosophy and political theory.
POLS	3072	Political Protest and Ideology	Variants of major ideologies such as liberalism, socialism, communism, anarchism, fascism, and feminism in their socio-historical context, as well as alternative visions from the Third World.
POLS	3082	Critical Race Theory as Political Theory	Interdisciplinary scholarship on racial identity, legal decisions, and political action from the perspective of political science and political theory. Topics include interactions between states and social movements, the intersections of race, class, gender, and membership, and the problems with both post-racialism and identity politics.
POLS	3208	Politics of Oil	Historical and contemporary role of oil in comparative politics and international relations.
POLS	3211	Politics of Water	The role of water in state building, state-society relations, and economic and political development. Draws on approaches from comparative politics and international relations.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

POLS	3245	Chinese Politics and Economy	Chinese political structure and policymaking process, attempts at democratization, process and outcome of economic reforms, development challenges in contemporary China.
POLS	3256	Politics and Human Rights in Global Supply Chains	Political and human rights implications of regulating contemporary global supply chains: official regulatory frameworks; non-regulatory approaches to rule-making (such as voluntary corporate codes of conduct and industry standards); social responses to the dilemmas of “ethical” sourcing of goods and services.
POLS	3647	Black Leadership and Civil Rights	Black leadership, emphasizing the principles, goals, and strategies used by African-American men and women to secure basic citizenship rights during the civil rights era.
POLS	3652	Black Feminist Politics	An introduction to major philosophical and theoretical debates at the core of black feminist thought, emphasizing the ways in which interlocking systems of oppression uphold and sustain each other.
POLS	3807	Constitutional Rights and Liberties	The role of the Supreme Court in interpreting the Bill of Rights. Topics include freedoms of speech and religion, criminal due process, and equal protection.
POLS	3832	Maritime Law	International and domestic legal concepts concerning jurisdiction in a maritime setting.
POLS	3834	Immigration and Transborder Politics	U.S. immigration policy, trans-border politics, and the impact diasporas and ethnic lobbies have on U.S. foreign policy, with emphasis on Latino diasporas.
POLS	3850	Politics and Ethics	Relationship between power and ethics in political life. Examination of ethical perspectives on political decisions and issues.
PSYC	Psychology		
PSYC	2208	Sensory Systems Neuroscience	Cellular, circuit, and neural systems basis of sensation and perception including evolutionary and ecological differences among mammals.
PSYC	2701	Social Psychology of Multiculturalism	Introduction to theoretical perspectives and behavioral research that seek to explain the nature and mechanisms of intergroup relations and the psychology of culture, prejudice, and biased behavior.
PSYC	3102	Psychology of Women	Gender roles, socialization, women and work, women’s relationships, violence against women, and other topics. Theory and research.
PSYC	3106	Black Psychology	Empirical and theoretical literature on psychological experiences of African Americans. Impact of race, culture, and ethnicity on psychological development.
PSYC	3644	Occupational Health Psychology	Models, research methods, and research-to-practice applications in the interdisciplinary field of occupational health psychology, and how these are used to enhance the safety, health and well-being of workers in all occupations and to create healthier workplaces and organizations.
SOCI	Sociology		
SOCI	1701	Society in Global Perspectives	Economic, political, social and cultural processes in globalization. The world economy, the autonomy of nation-states, the role of the media, and the social and environmental problems of societies in a world context.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

SOCI	2501	Sociology of Intolerance and Injustice	Sociological concepts of intolerance and injustice and how they affect members of marginalized groups; case studies may consider social class, race/ethnicity, gender, sexuality, age, religion, and disability.
SOCI	2503	Prejudice and Discrimination	Sources and consequences of racial and ethnic prejudice and discrimination.
SOCI	2827	Revolutionary Social Movements Around the World	Lectures and documentary films on the Russian, Chinese, Vietnamese, Cuban and Nicaraguan revolutions and movements in South Africa and the Middle East.
SOCI	3221	Sociological Perspectives on Asian American Women	An overview of social structures, inter-group relations, and women's rights, focusing on the experience of Asian American women.
SOCI	3222	Asian Indian Women: Activism and Social Change in India and the US	How gender, class and ethnicity/race structure everyday lives of Asian Indian women in both India and the United States.
SOCI	3271	Topics in the Sociology of Culture	A variable topics course focusing on issues in the sociology of culture. Specific topics may include: production of culture and the culture industry, popular culture, the sociology of the arts, cultural representation of deviance and social problems, women and culture, film and the developing world, material culture, and cultural constructions of social inequality.
SOCI	3421	Class, Power, and Inequality	Inequality and its consequences in contemporary societies.
SOCI	3425	Social Welfare and Social Work	Social welfare needs and programs; introduction to social work as a professional service.
SOCI	3429	Sociological Perspectives on Poverty	Poverty in th U.S. and abroad, its roots, and strategies to deal with it.
SOCI	3451	Sociology of Health	Social factors related to health, illness, and health-care systems.
SOCI	3453	Women and Health	Social factors shaping women's health, health care, and their roles as health-care providers.
SOCI	3501	Ethnicity and Race	Ethnic groups, their interrelations, assimilation, and pluralism. Culture, and identity that arise from differences in race, religion, nationality, region, and language.
SOCI	3505	White Racism	The origin, nature, and consequences of white racism as a central and enduring social principle around which the United States and other modern societies are structured and evolve.
SOCI	3601	Sociology of Gender	Explores processes contributing to social construction of gender; examines the theories used to explain the system of inequality in the United States with particular attention to the intersection of gender, race, ethnicity, sexuality, and class; and evaluates how men and women are differentially constituted in the family, in education, work, politics, and language.
SOCI	3825	African Americans and Social Protest	Social and economic-justice movements, from the beginning of the Civil Rights movement to the present.
SOCI	3833	Topics in Sociology and Human Rights	Variable topics covering theoretical and empirical examination of social, political, economic, legal, and/or cultural issues of human rights from a sociological perspective.
SOCI	3835	Refugees and Humanitarianism	Social and political challenges of living as a refugee and working in humanitarian settings. Refugee camps, the institutional development of the United Nations High Commissioner for Refugees, and alternative approaches to sanctuary.
SOCI	3903W	Urban Problems	Social problems of American cities and suburbs, with emphasis on policy issues.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

SPSS	Sustainable Plant and Soil Systems		
SPSS	2125	Soils Lab	Basic laboratory analysis of the physical and chemical properties of soil. Includes weekend field trips.
SPSS	2430	Herbaceous Ornamental Plants	Identification, nomenclature, cultural requirements and landscape uses of herbaceous perennials, ornamental grasses, ferns, annuals and bulbs. Study of live plants is required.
SPSS	3090	Field Study of U.S. Food Production Systems	Visits to and discussions with farmers of agronomic, vegetable, fruit and livestock production systems in the Northeastern United States, the Corn Belt and the High Plains. Visits to agricultural research stations for discussions with scientists and educators, and visits to agricultural infrastructure sites such as retail fertilizer dealerships, granaries, and post production facilities such as juice factories or flour mills will also be included.
SPSS	3410	Woody Plants: Common Trees, Shrubs and Vines	Taxonomy, identification, ornamental characteristics, cultural requirements and landscape use of deciduous and evergreen woody plants most often utilized in landscapes of the northeastern United States and similar environs.
SPSS	3640	Plant Propagation	Theory and practice in sexual and asexual propagation of horticultural plants, emphasizing the anatomical, physiological, and ecological principles involved. Laboratories provide practical experience with seeds, division, cuttings, budding, grafting, layering and tissue culture.
SPSS	3670	Greenhouse Technology and Operations	Introduction to greenhouse systems with emphasis on structures, environmental control, root media, irrigation and fertilization, and pest control, in relation to requirements for plant growth and crop production.
SPSS	3820	Ecology and Control of Weeds	Weed origin and classification. Losses caused by weeds. Weed competition. Weed seed production, dormancy and germination. Cultural, mechanical, biological and chemical control methods. Weed identification.
SPSS	3840	Integrated Pest Management	Principles of integrated pest management covering insect, disease, and weed problems in agronomic crops, vegetables, fruits, turfgrass, ornamentals, and greenhouse production. Environmental impacts and pest control strategies will be covered.
SPSS	4210	Plant Physiology: How Plants Work	Principles of plant physiology and gene expression from the cell to the whole plant level. Emphasis on plant cell structure, water movement, transport systems, photosynthesis, respiration, phytohormone signals and responses to environmental stresses.
SPSS	4994	Seminar	Professional presentations of current topics in Plant Science.
URBN	Urban and Community Studies		
URBN	2000	Introduction to Urban and Community Studies	Introduction to the analysis of urban development with particular stress on those problems pertinent to the American central city.
URBN	3000	Urban Anthropology	A general course on urbanization, emphasizing contrasts between "developed" and "developing" countries.
URBN	3276	Urban Problems	Social problems of American cities and suburbs with emphasis on policy issues.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

URBN	3439	Urban and Regional Economics	Economic problems of cities and regions: urban markets for land, labor, and housing; location decisions of businesses and households; metropolitan transportation problems; urban/suburban fiscal relations; urban and regional environmental quality; and the economics of crime.
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Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

URBN	3541	The History of Urban America	The development of urban America with emphasis on social, political, physical, and environmental change in the industrial city.
URBN	4000	Understanding Your Community	Examination of an urban area or local community. Production of a detailed case study including historical perspective, analysis of issues and stakeholders, evaluation of internal strengths and weaknesses as well as external threats and opportunities. Proposal of strategies for addressing problems and advancing equity, growth, and development.
WGSS	Women's, Gender, and Sexuality Studies		
WGSS	1104	Feminisms and the Arts	Interdisciplinary exploration of the work of women artists in drama, the visual arts, music, literature, and/or film. Key issues of feminist criticism in the arts are discussed.
WGSS	1121	Women in History	The historical roots of challenges faced by contemporary women as revealed in the Western and/or non-Western experience: the political, economic, legal, religious, intellectual, and family life of women.
WGSS	2255	Sexualities, Activism, and Globalization	Globalization of LGBT identities, cultures and social movement activism, and cultures from a transnational perspective; use, role, and impact of digital media.
WGSS	2263	Women and Violence	Discussion of various forms of gendered violence in the United States and in a global context. Physical, sexual, emotional and structural violence; social, political and personal meanings of gendered violence; special emphasis on women.
WGSS	2267	Women and Poverty	Exploration of poverty and gender inequality within the frameworks of the global political economy in select countries. Impact of race, class, and gender differences on policy.
WGSS	3102	Psychology of Women	Gender roles, socialization, women and work, women's relationships, violence against women, and other topics. Theory and research.
WGSS	3105	The Politics of Reproduction	National and transnational politics of reproduction including: contraception, sexuality education, abortion, childbirth, surrogacy, adoption, health care policy and funding.
WGSS	3218	Feminist Theory	Philosophical issues in feminist theory. Topics may include the nature of gender difference, the injustice of male domination and its relation to other forms of domination, the social and political theory of women's equality in the home, in the workplace, and in politics.
WGSS	3254	Women and Gender in the Deaf World	The roles of women inside and outside the Deaf world. How language and cultural barriers perpetuate the roles defined for and by d/Deaf women within Deaf and hearing societies.
WGSS	3271	Seminar on Rape Education and Awareness I	Explores issues of sexual violence and trains those enrolled to facilitate rape awareness workshops for the campus community. Students are required to attend an intensive two-day training program and participate in weekly seminars.
WGSS	3272	Seminar on Rape Education and Awareness II	Further explores broader issues of sexual violence and continues to train those enrolled to facilitate rape awareness workshops for the campus community. Students are required to participate in weekly seminars and facilitate rape awareness workshops.
WGSS	3560	Constructions of Race, Gender, and Sexuality in U.S. History	Examination of historical development, interconnections, and complexities of conceptions of race, gender, and sexuality in U.S. from European conquest to the present.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

WGSS	3561	History of Women and Gender in the U.S. to 1850	Gender ideologies of indigenous and settler cultures, changing conditions of women's and men's lives as the U.S. became a nation, while emphasizing intersections with ethnicity, race, class, religion, and region.
WGSS	3562	History of Women and Gender in the United States, 1850-Present	History of gender and the lives and cultural representations of women in the U.S., emphasizing intersections with race, sexuality, class, region, and nation.
WGSS	3609	Women's Literature	Works written by women from different countries and centuries.
WGSS	3611	Women's Literature 1900 to the Present	Modern and contemporary works written by women from different countries.
WGSS	3613	Introduction to LGBT Literature	An introduction to themes of sexual diversity in literature, related to lesbian, gay, bisexual, and transgender issues.
WGSS	3621	Sociology of Sexualities	Explores the social organization, construction, and politics of sexualities; particular focus on lesbian, gay, bisexual, transgender, and queer experiences and the intersection of sexualities, gender, race, and class.
WGSS	3622	History of Gender and Sexuality in Latin America and the Caribbean	Topics may include: empire and colonialism/anti-colonialism; slavery, science, and the state; cultural practices and institutions; feminisms and masculinities; law and public policies; immigration; forms of labor and political mobilization; sex and reproduction; and human rights from historical perspective.
WGSS	3652	Black Feminist Politics	An introduction to major philosophical and theoretical debates at the core of black feminist thought, emphasizing the ways in which interlocking systems of oppression uphold and sustain each other.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

Graduate Courses Related to Sustainability			
Department	Course Number	Course Name	Description
ACCT	Accounting		
ACCT	5545	Business Law, Business Ethics, and Public Accounting	This course covers the major legal and ethical issues in business and their significance for the accounting profession and related stakeholders. Included among the topics are the tension between profit and the public interest, corporate responsibility to society, environmental concerns, consumer and employee relations, confidentiality, whistle blowing, advertising and hiring practices.
ACCT	5563	Enterprise Risk Management: Identifying Events as Risks to Manage or Opportunities to Seize	Provides students with the ability within the COSO framework to identify events that may impact a nonfinancial publicly traded enterprise's ability to realize value for its stakeholders using the concept of the triple bottom line of profit, people, and planet. Events will be evaluated as risks that have negative impacts and opportunities as well as potential positive impacts. ERM techniques applied in the course will include: risk control, business continuity, reputation risk, supply-chain management, compensation system alignment, and strategic decisions.
AH	Allied Health		
AH	5351	Contemporary Nutrition Issues and	Critical thinking and application of research to contemporary issues in food and nutrition applied to
AH	5360	Cross Cultural Health Care	Exploration of the relationships between culture/ethnicity and health status, health care beliefs and behaviors. Develops greater understanding of, and sensitivity toward the patient's way of life utilizing case examples from the United States and international settings.
AH	5501	International Health	This course will examine international health challenges. Through case studies, other appropriate readings, and individual research students will gain a comprehensive understanding of global health related challenges (medical, economic and cultural), including children's health, women's health, communicable diseases, and non-communicable diseases.
AH	5502	Complex Humanitarian Emergencies Seminar	This seminar offers an in-depth examination of both theoretical and applied aspects of complex humanitarian emergencies. It provides students with a comprehensive, multidimensional understanding of the needs of displaced persons and systems and practices currently in place to meet these needs.
AH	5700	Ethical Considerations in Genetic Testing and Research	Conceptual and philosophical analysis of ethical issues specific and special to genetic testing and research. Presentations, case studies and readings will provide responsible conduct in research training and allow for analysis of World Wide Web genomics, access to genetic information, privacy and confidentiality, ownership, personal and societal perceptions, reproduction, utility and limitations of genetic data, education of physicians and patients, treatment versus enhancement, regulation and reimbursement, and other time-relevant issues.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ANSC Animal Science			
ANSC	5618	Probiotics and Prebiotics	Biology, uses, effectiveness and safety of probiotics and prebiotics. Molecular mechanisms underlying
ANTH Anthropology			
ANTH	5308	Human Evolutionary Theory	Evolutionary concepts applied to human body size and shape, diet, disease, group composition, and reproductive behavior.
ANTH	5309	Violence, Stress, and Social Support	This seminar surveys theory and observations bearing on the nature, sources and consequences of traumatic stress, stressors, and social support in human populations.
ANTH	5315	Gender and Culture	Anthropological perspectives on the analysis of gender with special focus on dynamics of gender, culture, and power.
ANTH	5364	New England Prehistory	Topics in the prehistory of New England. Regional chronology and cultural history, early Holocene adaptation, ecology of hunter-gatherers, coastal adaptations, development of horticulture, and the evolution of tribal societies.
ANTH	5374	Culture, Power, and Social Relations	Power, cultural evolution, and social change; law, global relations, identity and ethnicity, revolution and revitalization, the power of numbers, parents and children, women and men.
ANTH	5390	Cultural Rights	Politics of culture and cultural rights, minority rights, indigenous rights, multicultural policies, race, difference and law, cosmopolitanism, globalization and human rights.
ANTH	5391	Human Rights in a Diverse World	Basic issues, methods and theories in the anthropological study of human rights; cultural relativism, the international human rights system, social movements, transnational activist networks, media and representation are studied in their relationship to rights claims, adjudication, and outcomes.
ANTH	5522	Ecological Anthropology	Interdisciplinary study of human ecology integrating ecological and anthropological theory with archaeological, historical, and contemporary case studies.
ANTH	5708	Plants and People Through the Ages	Survey of the dynamic relationship between plants and people using an inter-disciplinary approach. Readings draw from anthropology, archaeology, botany, ecology, history, and agricultural and environmental sciences.
ARE Agriculture and Resource Economics			
ARE	5252	Planning for Economic Development	Insight into domestic and international economic policy dynamics relevant to economic development as well as application of critical organizational skills to the development of a grant proposal and project development and management. Students are required to use theoretical, methodological and practical applications to sustainable economic development covered in previous courses.
ARE	5464	Benefit-Cost Analysis and Resource Management	Theoretical foundations and applications of benefit-cost analysis in project appraisal and in evaluation of public policies regarding resource management and environmental protection.
ARE	5992	Practicum in Economic Development	Project-based fieldwork with an approved partnering organization related to sustainable economic development, including agribusiness management, marketing and financial analysis, food systems, and economic development.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ARE	6464	Experimental Methods for Program Evaluation	Theory and practice of field-based program experiments, often referred to as randomized controlled trials (RCTs). All aspects of experimental program evaluation, including the design of evaluation strategy and working with survey and program staff. Examples from both developing country contexts and Western country program evaluation.
ARE	6495	Graduate Research Seminar	Participation in research seminars presented by invited scholars and departmental faculty. This course
BADM	Business Administration		
BADM	5170	Foundations of Economic	Provides students with applied knowledge of key economic and psychological concepts that ground
BASC	Basics		
BASC	5301	Special Populations	The goal of the course is to provide an opportunity for students to understand and to critically analyze human oppression and issues that are relevant to social work practice methods. The course will examine demographic, economic, political, social and cultural forces operating at national and local levels highlighting the African-American and Puerto Rican experiences and perspectives. The focus of the class is the application of the knowledge of special populations to the social work practice methods. The course will combine lectures by the instructor and invited speakers, and class discussions. At times, small groups will be used to encourage students to examine their personal and professional interactions with oppression, and to discuss their implications for social work practice.
BLAW	Business Law		
BLAW	5175	Business Law, and Ethics in Modern Society	This course examines the formulation, interpretation, and application of law to business. It incorporates the study of ethical issues that arise in contemporary business settings, including professional conduct and corporate social responsibility. This course covers major areas of legal regulation to which businesses are subject, including tort liability, contract law, partnership and corporate law, employment and labor law, intellectual property law, environmental regulation and sustainability, and financial regulation. Emphasis is placed on active, experiential application of legal reasoning and analysis and on the global and comparative dimensions of legal and ethical issues.
BLAW	5181	Government and Legal Environment of Business	Introduces the essential functions and roles of the legal environment of business. The fundamentals of the legal and ethical environment of business are explored, including legal institutions and legal process. Intentional torts and negligence, common, statutory and administrative law, and alternative dispute resolution. Selected topics in the legal environment of business are also examined, including employment law, securities law, and intellectual property.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

BLAW	5182	Business Responsibility, Accountability and Ethics	Examines the essentials of legal astuteness, enabling students to ensure regulatory compliance, manage legal counsel, minimize liability and reach value-added business decisions in an increasingly complex regulatory environment. Examines the leading societal issues relevant to a firm's responsibilities toward its business environment. Topics covered include fairness in the workplace, corporate governance, bribery and corruption, corporate responsibility, and firm-regulator relations. Pillars of responsible business conduct are also introduced in order to develop to values-driven decision-making skills in the social and ethical environment of business.
BLAW	5660	International Business Law	This course examines major issues in international law by focusing primarily on the extensive legal and ethical environment of the modern international marketplace. Key topics to be explored include jurisdiction, international dispute resolution, contract law and the international sale of goods, intellectual property, employment, and environmental issues. The course will also help students understand key institutions in the international legal system and learn about current legal topics related to international trade and foreign investment.
BME	Biomedical Engineering		
BME	5700	Biomaterials and Tissue Engineering	A broad introduction to the field of biomaterials and tissue engineering. Presents basic principles of biological, medical, and material science as applied to implantable medical devices, drug delivery systems and artificial organs.
CE	Civil Engineering		
CE	5030	Seminar in Transportation and Urban Engineering	Extended discussions on presentations contributed by staff, students and outside speakers. Required every semester for all full-time students in the Transportation and Urban Engineering Area of Concentration in the Civil Engineering Field of Study.
CE	5240	Biodegradation and Bioremediation	Biochemical basis of the transformation of key organic and inorganic pollutants; quantitative description of kinetics and thermodynamics of pollutant transformation; impact of physiochemical and ecological factors on biotransformation.
CE	5530	Advanced Soil Mechanics	Introduction of soil as a multi-phase material; stress and strain analysis in soil; soil compression and
CE	5541	Advanced Soil Mechanics	Introduction of soil as a multi-phase material; stress and strain analysis in soil; soil compression and consolidation; shear strength of sand and clay; critical state soil mechanics; advanced topics in complex constitutive relationships; introduction to fracture mechanics; term paper.
CE	5542	Earthquake Engineering	Global tectonics and earthquake sources, seismic wave propagation, strong ground motion analysis, seismic hazards, site effects and liquefaction, seismic load to slopes, retaining structures and foundations, structure response to dynamic loads; term paper.
CE	5543	Advanced Foundation Design	Soil behavior in retaining systems, shallow foundations, deep foundations.
CE	5810	Hydrometeorology	Global dynamics of aquatic distribution and circulation. Hydrologic cycle, atmospheric circulation, precipitation, interception, storage, infiltration, overland flow, distributed hydrologic modeling, and stream routing.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

CE	6740	Traffic Engineering Operations	Driver, pedestrian and vehicle operating characteristics. Traffic data collection. Accident and safety analysis. Highway capacity analysis. Traffic signs and markings. Traffic signal timing and operation. Traffic management.
CHEG	Chemical Engineering		
CHEG	5358	Composite Materials	An introduction to the mechanical properties of fiber reinforced composite materials. Included are discussions of the behavior of unidirectional composites, short fiber composites and laminates. Special topics such as fatigue, fracture and environmental effects are also included.
CTRL	Clinical and Translational Research		
CTRL	5497	Minority Health and Health Disparities	Health outcomes in the U.S. vary dramatically as a function of race and ethnicity. The course will highlight research that explores this issue from social, behavioral and psychological perspectives, as well as physical environment and biological perspective. The course will discuss ideas about the <u>meaning of race and ethnicity in American society.</u>
COMM	Communications		
COMM	5770	Health Communication	Overview of health communication, including health behavior change interventions, emergency communication, risk assessment, media influences, provider-patient communication, socialization and identity, stereotyping, social support, diverse populations, and new communication technologies.
CSE	Computer Science and Engineering		
CSE	5860	Computational Problems in Evolutionary Genomics	Computational and algorithmic approaches for problems arising in evolutionary genomics. Topics may include phylogenetic trees inference, population evolutionary models and theory, understanding complex evolutionary processes and other related topics. Both combinatorial optimization and stochastic approaches will be covered.
ECON	Economics		
ECON	5102	American Economic History	History of economics in America.
ECON	5128	Economic Rights	Explores the conceptual bases, measurement, and policy applications of economic rights. Specific topics will include: child labor, the right to development, non-governmental initiatives, and the institutionalization of economic rights (e.g., constitutionalization versus statutory implementation versus discretionary policies).
ECON	5201	Microeconomics	Beginning graduate microeconomics covering consumer and producer theory, price determination, economic efficiency, and welfare analysis.
ECON	5202	Macroeconomics	Survey of the field: its historical foundations and development, conceptual framework, and application to current macroeconomic problems.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

ECON	5348	Economic Development Policy	The role of government in the economic development of underdeveloped countries. Topics include alternative paradigms of development and the resulting place for government in the economy; the theory, institutions, and policies of government in planning, fiscal, and monetary concerns; analysis of policy instruments influencing international trade and financial flows; and the influence of international organizations on the development process.
ECON	5421	International Trade: Theory and Policy	The economic aspects of international relations, including the pure theory of international trade and the instruments of commercial policy. Topics include comparative advantage; international economic policies; and regional economic integration.
ECON	5441	The Labor Market	A thorough examination of the labor market. Topics include human capital, wage determination, public policy, and money wage rates.
ECON	5473	Economic Development	An examination of the problems facing the less developed nations. Comparisons of alternative paradigms of economic development (orthodox to political economy) and the strategies and policies they imply.
ECON	5474	Seminar in Development and Growth	A continuation of ECON 5473. Topics include agriculture and industry in development, investment criteria, essentials of developing planning, the promotion of domestic saving and fixed investment, foreign aid, improvements in international trade, and human capital formation.
ECON	6441	Advanced Labor Economics I	Labor supply with an emphasis on the family. Applications in the area of demography, development,
ECON	6442	Advanced Labor Economics II	Labor demand and other applied topics in labor economics.
ECON	6466	Environmental Economics	Economic analysis of environmental problems and corrective policy instruments. Topics covered will include the theory of externalities and public goods, the role of uncertainty and imperfect information in policy design, benefit-cost analysis, and non-market valuation. Applications to various environmental problems (such as air and water pollution, hazardous waste, and occupational health and safety) will be discussed.
ECON	6473	Economic Development: Microeconomic Issues	Overview of current literature on microeconomics of development, including human capital, internal structure of households, functioning of factor markets, and the role of institutions in mediating change.
EDCI	Education Curriculum and Instruction		
EDCI	5040	Popular Music and Informal Education	Exploration of how popular music intersects with education, including the production and consumption of popular music and use of related informal pedagogies. Critical theory, cultural theory, feminism, and race studies will be used to explore these issues. Methods in “popular music”.
EDCI	5885	Introduction to Critical Pedagogy	Theory and practice in teaching for social justice with an emphasis on issues of class, race, gender and ethnicity.
EDCI	5875	Multicultural Education	Interrelationships between education and various sociocultural aspects of cultural diversity and cultural pluralism, including language acquisition and diversity.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

EDCI	5895	Language Ideology & Education	Interrelationship among language, ideology, education and society, including examination of issues of social classes, ethnicity, gender, social context, power, and politics. Also covered are literacy, language prescriptivism and standardization, language policy and discourse in critical perspective. Principles of second language acquisition.
EDLR	Educational Leadership		
EDLR	5119	The Law, Ethics, and Decision-making in Student Affairs	Survey of case law and statutory provisions related to higher education with a focus on student affairs administration. Students will develop an understanding of ethical decision-making and its application to relevant student affairs scenarios.
EDLR	6467	Social Justice Leadership, Equity and School Change	Exploration of various tenets, theoretical tensions, and transformative applications of social justice leadership in American education.
EEB	Ecology and Evolutionary Biology		
EEB	5200	Biology of Fishes	Introduction to the biology of fishes, with an emphasis on adaptation and evolutionary diversification. Topics include the evolution of major groups, morphology, physiology, behavior, and population and community ecology. Lectures, critical discussions of current journal articles, student presentations, and exercises in the field and laboratory. A research paper and class presentation are required on a <u>topic pre-approved by the instructor</u> .
EEB	5240	Biology of Bryophytes and Lichens	Diversity, evolution, ecology, development and taxonomy of the bryophytes (mosses, liverworts, and hornworts) and lichen-forming fungi.
EEB	5250	Biology of Algae	Laboratory and field-oriented study of the major groups of algae, emphasizing structure, function, systematics, and ecology.
EEB	5335W	Vertebrate Social Behavior	Lectures and discussions dealing with various aspects of vertebrate social behavior, including territoriality, mating systems, sexual selection, and group behavior. The emphasis is on reading and critical analysis of original literature.
EEB	5347	Principles and Methods of Systematic Biology	Basic concepts and modern procedures employed in systematic biology: literature retrieval, species description, phylogenetic inference, nomenclature, and current conceptual issues. Laboratories include <u>computer techniques in phylogenetic analysis</u> .
EEB	5477	Insect Phylogeny	A review of our current understanding of the evolutionary relationships of the major orders and families of insects, including the phylogenetic position of Insecta within Arthropoda.
EEB	6480	Seminar in Vertebrate Biology	Analysis and discussion of current literature in vertebrate biology.
EEB	6483	Seminar in Marine Biology	Analysis and discussion of current literature in marine biology.
EEB	6486	Seminar in Systematics	Analysis and discussion of current literature in systematic biology.
EEB	6487	Seminar in Parasitology	Analysis and discussion of current literature in parasitology.
EMBA	Executive MBA		
EMBA	5191	Value Creation and Competition	Students analyze the challenges inherent in navigating competitive markets with the objective of adopting strategies to achieve value creation, and assess the fit between internal capabilities and the competitive landscape to identify and plan for potential threats and opportunities from environmental change.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

EMBA	5541	Domestic and Global Macroeconomics	Domestic and global monetary policies, factors spurring economic growth and decline, trade balance and the macro level effects of trade imbalances in developed and emerging markets, as well as employment policies.
EMBA	5603	Global Business Issues	Students become better versed in international business challenges, understand issues related to transnational and cross-cultural management, and examine global issues relative to their company. Students participate in an international trip to gain first-hand experience in the dynamics of international business management, engage with in-country business executives across multiple industries and functional areas, and execute a business challenge project in a foreign country.
ENVE	Environmental Engineering		
ENVE	5090	Advanced Topics in Environmental	Classroom or laboratory courses as announced for each semester.
ENVE	5094	Seminar in Environmental Sciences and Engineering	Extended discussions on presentations contributed by staff, students and outside speakers. A certificate of completion will be issued from the Environmental Engineering Program.
ENVE	5221	Transport and Transformation of Air Pollutants	Transport and deposition of gaseous and aerosol pollutants; chemical formation and reactions of oxidants and acidic compounds.
ENVE	5240	Biodegradation and Bioremediation	Biochemical basis of the transformation of key organic and inorganic pollutants; quantitative
ENVE	5310	Environmental Transport Phenomena	Development and solutions of partial differential equations describing diffusion, advection, and sources/sinks common to transport of mass, energy, and momentum. Mass sources/sinks used to describe sorption and chemical reaction. Extension to dispersion and turbulent mixing. Applications to predicting the movement of environmental contaminants.
ENVE	5311	Environmental Biochemical Processes	Major biochemical reactions; stoichiometric and kinetic description; suspended and attached growth modeling; engineered biotreatment systems for contaminant removal from aqueous, gaseous, and solid streams; process design.
ENVE	5821	Vadose Zone Hydrology	Theoretical and experimental elements of primary physical and hydrological properties of porous media and processes occurring in partially-saturated soils. Practical experience in measurement and interpretation of hydrological information and methods of analysis for vadose-zone related environmental problems.
EPSY	Educational Psychology		
EPSY	5119	Policy, Law, and Ethics in Special	The impact of policy and law on the professional role of special educators.
FNCE	Finance		
FNCE	5151	Introduction to Economic Markets	Provides a foundation in the economics of markets, with particular application to financial markets
GEOG	Geography		
GEOG	5110	Regional Development and Policy	A study of theory and practice in regional development and planning. Emphasis on evaluation of regional problems and public policies designed to resolve them, with a primary focus on the United States.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

GEOG	5140	Geographical Analysis of Social Issues	Focus on geographical perspectives toward research on selected social issues, with an emphasis on methods of behavioral analysis and relevant social geographical concepts such as social space, activity spaces and time-space budgets, and diffusion.
GEOG	5230	Advanced GIS for Remote Sensing for Geoscience Applications	Research methods for using Geographic Information Systems, remote sensing, and image interpretation to investigate problems in geoscience. Includes research techniques for data acquisition, processing and analysis of Digital Elevation Models and satellite imagery. Geologic materials, processes, landforms and landscapes.
GEOG	5290	Advanced Urban Geography	Analysis of social and economic patterns within urban areas, with emphasis on individualized research. The implications for planning are stressed.
GEOG	5390	Advanced Physical Geography	Problems involving the application of physical processes in our changing environment.
GEOG	5520	GIS Modeling of the Urban Environment	Survey of GIS methods and spatial analysis for studying spatial patterns of land use and human activity in an urban environment.
GEOG	5700	Contemporary Europe: A Geography	An introduction to the peoples, countries, and landscapes of Europe (excluding the republics of the
GSCI	Geoscience		
GSCI	5510	Applied Geophysics for Geologists and Engineers	Introductory survey of surface and borehole geophysical methods and their application to hydrogeologic, environmental monitoring, and geotechnical engineering studies. Laboratory involves geophysical field measurement, data reduction and geologic interpretation.
GSCI	5520	Exploring and Engineering Seismology	Theory of elasticity applied to wave propagation: equations of motion; reflection and refraction of elastic waves; velocity analysis and fundamental petrophysics; and principles of detecting subsurface interfaces and structures.
GSCI	5530	Applied and Environmental Geophysics	Potential theory (gravity, static electricity and magnetic fields), electromagnetic coupling, Maxwell's equations; electromagnetic wave propagation; principles of detection of subsurface interface and structures by geophysical methods.
GSCI	5710	Advanced Hydrogeology	Transport processes in groundwater systems. Mathematical methods in groundwater hydrology. Water quality and resource evaluation.
GSCI	5720	Groundwater Modeling	Numerical techniques for modeling flow and contaminant transport in groundwater systems. Model design, calibration, visualization, verification and sensitivity analysis. Application to field sites.
GERM	German		
GERM	5314	German Studies	Exploration of the field of German Studies as an "interdiscipline"; analysis of a coherent body of
GPPS	Graduate Program in Professional Studies		
GPPS	5325	Issues in Economic Development	Economic, social, and demographic change in those countries comprising the less wealthy regions of the South. It examines development from linear (neoclassical), structuralist (political economy), and other perspectives, and emphasizes relationships between "advanced" and "developing" countries within the context of the global economy. In addition to theoretical grounding, the course provides practice in preparing development profiles of individual countries.
HCFI	Healthcare Management and Insurance Studies		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HCMI	5243	Health Care Economics	Demonstrates how various economic theories can be used to think about health care issues and takes a macro or industry perspective of various health care problems and policy questions. Students are provided with a set of economic tools to evaluate a theoretical or empirical argument relating to health or medical care. Culminates with an in-depth analysis of the structure, conduct, and performance of the markets for medical insurance, physician services, hospital services, pharmaceutical products, and long-term care. Health care reform is also discussed.
HIST	History		
HIST	5505	Gender in the Early Modern West	Discussion of key works on gender, women, and sexuality, spanning the 1400s-1700s with a geographical focus mostly on Britain, continental Europe, and the Americas.
HIST	5540	Topics in American Social and Cultural History, 1600-1876	Major themes in the recent scholarship of social and cultural history: community and communication; family and gender; race, class, and industrialization; religion; and slavery.
HSL	Homeland Security Leadership		
HSL	5315	Contemporary Issues in Homeland Security Leadership	Supports the overarching goals of the Homeland Security Leadership program by providing an intellectual framework for engaging in ongoing self-directed learning within the Homeland Security domain; developing a cadre of leaders across the Homeland Security continuum who share substantive skills in analysis, interpretation, policy development, and administration of approved policy; and to complement other more operationally oriented training programs.
HDFS	Human Development and Family Studies		
HDFS	5020	Culture, Health, and Human Development	Introduction to current interdisciplinary approaches to the study of human development and health in the context of culture. An overview of theoretical approaches; presentations of current research by invited speakers, focusing on how to combine disciplinary perspectives and methods in order to build a new integrative science of health and development across and within cultures.
HDFS	5021	Culture, Health, and Human Development	Introduction to current interdisciplinary approaches to the study of human development and health in the context of culture. An overview of theoretical approaches; presentations of current research by invited speakers, focusing on how to combine disciplinary perspectives and methods in order to build a new integrative science of health and development across and within cultures.
HDFS	5031	Culture, Health, and Human Development Project	Group discussion and guidance through planning, implementation, and write-up of a publishable research project in fulfillment of a core requirement for the Graduate Certificate in Culture, Health, and Human Development.
HDFS	5442	Latino/a Health Disparities	Overview of health and health care issues among Latina/os in the United States with particular focus on health disparities.
HDFS	5550	Social Policy, Law, and Child Welfare	Application of theory and research on child development, family relations, and intervention/prevention practices to legal, policy and child welfare contexts.
HRTS	Human Rights		

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HRTS	5390	Economic Rights	Explores the conceptual bases, measurement, and policy applications of economic rights. Specific topics will include: child labor, the right to development, non-governmental initiatives, and the institutionalization of economic rights (e.g., constitutionalization versus statutory implementation versus discretionary policies).
HRTS	5899	Seminar in Human Rights	Variable topics in the study of human rights.
INTS	International Studies		
INTS	5000	Seminar in International Studies	Combines the various disciplines that constitute International Studies. Includes Social Sciences, Humanities, and Development Studies (development economics and administration). Area Studies faculty from relevant departments will conduct the individual seminar sessions. Introduces concepts and theoretical issues of the fields, including research approaches and the formulation of research questions.
MGMT	Management		
MGMT	5181	Value Creation and Competition	Analysis of the challenges inherent in navigating competitive markets with the objective of adopting strategies to achieve value creation, and assess the fit between internal capabilities and the competitive landscape to identify and plan for potential threats and opportunities from environmental change.
MGMT	5420	Employee and Labor Relations	Examines the broad range of concepts and practices that arise out of the relationship between an organization and its employees. Covers the core topics of labor relations, including organizing, collective bargaining, and the grievance process. Examines trends in unionization and the impact of these trends on employees and organizations. Also examines broader employee relations issues such as managing diversity, arbitration/mediation, downsizing, performance appraisal, implied contracts, and statutory rights.
MGMT	5800	Strategy, Policy, and Planning	Capstone course dealing with the two major aspects of strategy: formulation and implementation. Strategy formulation examines such issues as environmental threats and opportunities, the values and priorities of management and societal stakeholders, and the strengths of company resources and competencies relative to principal competitors. Strategy implementation covers such topics as strategic leadership, organizational structure, resource allocation, and building a strategy-supportive culture. Uses cases and readings to develop the knowledge and skills necessary to prepare students to deal with strategic issues. The student must have completed basic courses in the functional areas of business in order to be ready to assume the holistic perspective required of those who address this important topic.
MARN	Marine Sciences		
MARN	5010	Biological Oceanography	Structure and function of marine food webs, from primary producers to top trophic levels; interaction of marine organisms with the environment; energy and mass flow in food webs; elemental cycling; coupling between pelagic and benthic environments.
MARN	5012	Marine Invertebrate Biology	Comparative examination of major adaptations and functional responses of marine invertebrates to biotic and abiotic factors in the marine environment. Field trips required.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

MARN	5015	Molecular Approach to Biological Oceanography	Principles and technology in nucleic acid purification and manipulation, DNA fingerprinting, gene cloning and sequencing, phylogenetic analysis, and detection of gene expression (mRNA and protein). Application examples in marine ecological studies.
MARN	5016	Marine Zooplankton	Bioenergetics, life history, population and community ecology of zooplankton, and role of zooplankton in aquatic biogeochemical cycles.
MARN	5030	Chemical Oceanography	Composition, origin and solution chemistry of seawater and the marine biogeochemical cycles of salts, elements and gases. Distributions and transfer in the marine environment through chemical equilibria, rates, redox, partitioning, ocean circulation, biological cycles and crustal exchanges.
MARN	5031	Aqueous Geochemistry	Application of chemical theory (thermodynamic equilibrium approaches and kinetics) to understanding the geochemistry of the Earth's aqueous systems, with a focus on the ocean and coastal ecosystems.
MARN	5036	Advanced Chemical Oceanography	Major global biogeochemical cycles of the major elements, nutrients, gases, organic matter, and trace elements and the impact of climate change and ocean acidification. Biogeochemical cycling of toxic trace metals, and transfer of substances at the air and sediment interfaces.
MARN	5050	Geological Oceanography	Concepts in geological oceanography, including the role of plate tectonics in the control of the Earth and ocean system, fundamentals of biosphere-geosphere interaction over geologic timescales, and the reconstruction of past climates using marine sediment archives.
MARN	5501	Marine Sciences Seminar	Intensive reading, evaluation and critical discussion of current interdisciplinary topics presented at weekly departmental research seminars.
MSE	Materials Science and Engineering		
MSE	5700	Biomaterials and Tissue Engineering	A broad introduction to the field of biomaterials and tissue engineering. Presents basic principles of biological, medical, and material science as applied to implantable medical devices, drug delivery systems and artificial organs.
ME	Mechanical Engineering		
ME	6170	Combustion and Air Pollution	Review of thermodynamics and chemical equilibrium. Introduction to chemical kinetics. Studies of combustion processes, including diffusion and premixed flames. Combustion of gases, liquid, and solid phases, with emphasis on pollution minimization from stationary and mobile systems. Air pollution measurement and instrumentation.
ME	6173	Advanced Combustion	Review of thermodynamic properties, transport properties, conservation equations of multicomponent reacting gas. Introduction to chemical kinetics. Classification of combustion waves. Deflagrations, detonations and diffusion flames. Ignition phenomena, droplet and spray combustion and some aspects of turbulent combustion.
MEDS	Medical Science		
MEDS	5313	Biomaterials and Tissue Engineering	A broad introduction to the field of biomaterials and tissue engineering. Presents basic principles of biological, medical, and material science as applied to implantable medical devices, drug delivery systems and artificial organs.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

MCB Molecular and Cell Biology			
MCB	5001	Biochemistry	Metabolism of carbohydrates, lipids, amino acids, proteins, and nucleic acids, including regulation, and to the structure and function of biological macromolecules. Provides suitable preparation for advanced course work in biochemistry, biophysics, and other areas of molecular biology. Graduate students with considerable laboratory experience may arrange to take only the lecture portion of this course as Biology: MCB 5896 with consent of instructor.
MCB	5002	Biochemistry Laboratory	Theory and application of modern techniques for the separation and characterization of biological macromolecules, including several types of liquid chromatography, liquid scintillation spectrophotometry and SDS polyacrylamide gel electrophoresis. Each student will carry out individual projects using selected techniques.
MCB	5080	Frontiers in Microbiology	Current topics in microbiology including research advances, impact of microorganisms on the environment and society, their role in health and disease, and applications of microbiological research in academic, government and industrial settings.
MCB	5480	Frontiers in Applied Genomics	Current topics in genomics research including ethics, impacts on society, and applications in academic and industrial settings.
NRE Natural Resources and the Environment			
NRE	5115	Field Methods in Hydrogeology	Field methods associated with ground water and contamination assessments.
NRE	5145	Environmental Biophysics	Gas laws and transport processes. Radiation environment. Momentum, heat, and mass transfer. Steady-state and transient energy balance. Microclimate of plants and animals. Physical and physiological interactions between plants/animals and their environment.
NRE	5175	Climate and Environmental Systems Modeling	How physical processes in climate and environmental systems – such as atmospheric motion, hydrological processes and transport of atmospheric constituents – are represented in numerical models. Topics include classification of numerical models, steps in climate and environmental (mathematical) modeling, conservation theories of mass and energy, mass balance equations, numerical techniques, and initial and boundary conditions.
NRE	5210	Communications for Environmental Decision Makers	Methods and techniques for effective communication with diverse audiences using written, spoken, and digital media; includes conflict resolution, crisis situations, persuasion, negotiation, marketing and advocacy.
NRE	5575	Natural Resource Applications of Geographic Information Systems	The principles and applications of computer-assisted spatial data analysis in natural resources management will be covered. Both hypothetical and actual case studies of the use of geographic information systems (GIS) to solve natural resource problems will be discussed. Raster- and vector-oriented, microcomputer-based GIS software will serve as the hands-on tools for students.
NRE	5694	Natural Resources Seminar	Active participation in weekly natural resources seminars given by invited speakers.
NRE	5698	Natural Resources Colloquium	Study and discussion of readings (journal articles, books, current research) on a selected topic in natural resources.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

NRE	6175	Ground Water Modeling Applications	Application of Modflow to ground water flow and contaminant problems. Well head protection modeling.
PHAR	Pharmacy		
PHAR	5454	Principles of Safety Evaluation	Introduction to toxicologic risk assessment. Fundamentals of dose-response relationships and risk characterization, and their application in the establishment of permissible exposure limits for drugs and other chemicals in the environment or workplace.
PHAR	6455	Advanced Toxicology	A study of the harmful effects of toxic chemicals on biological systems. Emphasis is on mechanisms of toxicant action and on practical applications of modern techniques to assess toxicity and hazard.
PHAR	6475	Mechanistic Toxicology I	Mechanistic toxicology describes the processes of how chemicals exert their toxic effects in biological systems. Therefore, understanding of the underlying mechanisms of toxicity, together with exposure estimates, provides key information that links the toxic hazard of a chemical with the actual human health risk. This first course explores some fundamental cellular and molecular mechanisms of toxicity and integrates them into a larger picture; reactive intermediates, oxidative and nitrate stress, and mitochondria-mediated toxicity will be covered. The basic concepts will be illustrated with specific examples (drugs and environmental chemicals).
PHIL	Philosophy		
PHIL	5312	Seminar in the Philosophy of Science	A discussion of selected current, methodological issues in the philosophy of science. Topics may include scientific realism versus nonrealism; theories of scientific explanation; the nature of scientific revolutions; theories of the lawfulness of nature; and feminist theories of science.
PLSC	Plant Science		
PLSC	5245	Plant Breeding and Biotechnology	Principles and applications, economic, social and environmental impacts, advantages, potentials and limitations of major traditional and modern plant breeding technologies including crossing/hybridization, polyploidy, mutagenesis, genetic engineering and genome editing.
PLSC	5270	Global Perspectives in Landscape Architecture	Examination of the historic development and contemporary practice of landscape architecture across cultural and ecological international divides. Understanding of how the global age impacts landscape design, community planning, and sustainability frameworks.
PLSC	5460	Sustainable Site Design	Studio-based course covering environmental, cultural, social, economic dimensions of designing sustainable outdoor sites. Conceptual planning to detailed design and analysis of regenerative site systems over a range of contexts from urban to rural sites, using qualitative and quantitative methods. Applications on service-learning and engaged scholarship projects. Field trips required.
PLSC	5470	Sustainable Coastal Land Use Planning	Studio-based course exploring the relationship between sea level rise and the necessary adaptation of society's development patterns. The majority of the course will focus on individual student planning projects. Service learning opportunities. Field trips required.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

POLS		Political Science	
POLS	5115	Theories of Human Rights	Debates about the meaning of human rights and their importance.
POLS	5322	Human Security	Examination of emerging conceptions of human security, important elements of which include good governance, food, water, political, economic, and environmental security. Definition, measurement, and politics of human security. Relationship to domestic and international policy-making and advocacy.
POLS	5410	Black Feminist Theory and Politics	Major debates at the core of black feminist theory, emphasizing the ways in which interlocking systems of oppression uphold and sustain each other in contemporary U.S. politics.
PUBH		Public Health	
PUBH	5201	Essentials of Social Inequality and Health Disparities	Introduction to (a) the extent of health disparities across the US population, (b) how social inequality contributes to health disparities, and (c) why attention to social inequality is essential to the effective practice of clinical medicine and dental medicine. Examination of how society's social, economic, political and cultural institutions are structured and why they perpetuate the unequal distribution of opportunities that systematically limit the life chances and experiences of individuals. A range of social determinants (race/racism, poverty, income inequality, education, environmental conditions, social capital, social cohesion, social mobility, safety/security, criminal justice system) are considered that may influence health, either directly or as pathways for other determinants. Addresses the function of public health assessment, provides students with a conceptual basis for the complementary course, PUBH 5202.
PUBH	5202	Eliminating Social Inequality and Health Disparities	Examination of the evidence for structural, community, and individual-level interventions to reduce the impact of inequity on health and health care utilization. Identification and implementation of multi-level interventions that may reduce inequities by altering the social, economic, and other structural aspects of the environment. It will also address challenges of implementation and ways to reduce potential barriers. The course builds on the conceptual basis of PUBH 5201.
PUBH	5404	Environmental Health	Explores the policy, political and public health implications of such issues as air pollution, drinking water, exposure to hazardous chemicals, indoor air pollution, food protection, lead poisoning, housing, international issues, etc. Provides the student with some basic technical information and familiarity with terms for a better understanding of policy and political decisions and health effects of environmental exposures.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

PUBH	5460	Health and Human Rights	Explores the many ways in which human health and well-being are related to human rights. Human rights are a field of international law that includes major treaties, treaty bodies, and adjudicatory mechanisms. This course will review the ways in which human rights instruments and jurisprudence have addressed health and issues related to health. Students will also study a wide range of substantive public health issues that have a human rights dimension, and consider the ways that human rights are used as advocacy tools to improve the structural environment that shapes the public's health.
PUBH	5468	Occupational and Environmental Epidemiology	Topics include the history of occupational epidemiology, causal models, occupational exposure classification systems, environmental epidemiology, cohort mortality studies, cross-sectional surveys, case-control studies, ecologic studies, and statistical and methodological issues in research design and <u>their solutions.</u>
PUBH	5477	Food, Health and Politics	Comprehensive overview of the factors that influence how our food is grown; what foods are available, affordable, and advertised; and the ensuing public health implications. Examines the history of food production in America, the development of public and private food assistance programs, the fast food movement, and food marketing. Students will explore the political, social, economic and environmental factors that impact food availability and consumption, and discuss the implications of these factors on health outcomes, such as obesity, hunger, chronic diseases, and health disparities.
PUBH	5503	Disability Law, Policy, Ethics, and Advocacy	The goal of this course is to provide students a legal, conceptual, and practical understanding of people with disabilities, forms of discrimination on the basis of disability, and protections against such discrimination. Students will evaluate and understand policy, principles, and social issues that affect the lives of persons with disabilities and their families. Topics include federal, state, and international laws, policies, advocacy and ethics specific to health and well-being; discrimination; education, employment; human rights; and more as related to people with disabilities. Intended for students matriculated in the PHCIDS program.
SOCI	Sociology		
SOCI	5501	Racism	Variable topics in the study of racism, such as racism and U.S. social policy, white racism, and the social construction of whiteness. Topic may vary by semester.
SOCI	5505	Topics in Racism and Ethnic Group Relations	Special topics in sociological analyses of racism and ethnic group relations. Topics will vary by semester.
SOCI	5515	Sociology of Immigration	Theoretical and empirical work on immigration and ethnicity including forms of assimilation, ethnicity and transnationalism; challenges and opportunities for incorporation, and struggles over political, social, economic human rights. The course focuses on the US with selected cases from Europe and Asia.
SOCI	5601	Gender and Society	Critical appraisal of social scientific perspectives on women and men. Feminist theory and current social science research on gender. <u>Emphasis on interdisciplinary approaches.</u>
SOCI	5809	Inequality and the Welfare State	Analysis of the relationship between systems of racial, class, and gender inequality, and the formation and implementation of social policy by the contemporary U.S. welfare state.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

SOCI	5821	Social Movements	Analysis of the conditions and processes underlying movement formation and participation and influencing their careers and outcomes.
SOCI	5829	Social Change	A study of the forces prompting and impeding societal change with particular attention to those operative in contemporary society. Major theories of social change are examined.
SOCI	6505	Advanced Topics in Racism and Ethnic Group Relations	Advanced topics in sociological theory and research in racism and ethnic group relations. Topics will vary by semester.
SE	Systems Engineering		
SE	5000	Introduction to Systems Engineering	Introduction to the hard and soft skills that are required of good systems engineers. Lectures follow the competency models for systems engineers and include topics such as systems thinking, needs identification, requirements formulation, architecture definition, technical management, design integration, as well as verification and validation of designs. Some of the key systems engineering (SE) standards will be covered and the roles of organizations in enabling engineers to develop systems will be explored. Applications of SE concepts and tools in various settings will be discussed through examples and case studies. Students will learn to apply the SE methodologies in modern complex system development environments such as aerospace and defense, transportation, energy, communications, and modern software-intensive systems.
WGSS	Women's, Gender, and Sexuality Studies		
WGSS	5315	Gender and Culture	Anthropological perspectives on the analysis of gender with special focus on dynamics of gender, culture, and power.
WGSS	5333	Topics in the History of American Women	Women in history and their effects on society.
BASC	Basics		
BASC	5300	Human Oppression: The African-American and Puerto Rican Perspective	Examines economic, political, social and cultural forces operating at global, national and local levels, which generate and maintain oppression based on race and ethnicity in the United States. Focuses on the oppression of the Black and Latino populations in the United States, highlighting the African-American and Puerto Rican experiences and perspectives. It will provide a framework for analyzing and understanding oppression. A historical perspective will be utilized to explore past and current oppression related to race and color, culture and ethnicity, social class, gender, sexual/emotional orientation and religion. Intercultural, intracultural, psychosocial, social and political responses to oppression will be addressed throughout the course. Required course for students in the M.S.W. program
CORG	Community Organization		
CORG	5300	Advanced Macro Practice	Contemporary and historical overview of how the macro practice methods independently and collectively can be leveraged for social change. Provides a foundation for addressing ethical obligations and challenges in macro practice, with particular focus on historically oppressed populations. In addition, students will gain an understanding of the role of leadership and use of power in community organizations and policy and practice.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

CORG	5302	Theory and Practice of Social Movements for Community Organizers	Integrates Community Organization foundation and advanced method practice knowledge, values and skills. Students will be asked to select an agency-based Community Organization assignment that they have been working on during the academic year as the basis for a capstone assignment. Appropriate literature that will help students in conceptualizing and writing their capstone assignments will also be distributed and discussed. Concentration on addressing social movement theory and implications for social change and community social work. A minimum of two social movements will be analyzed and one or more social movement related projects will be selected as an in-class project(s). Required for students in the Community Organization concentration.
CORG	5370	Grassroots Neighborhood Organizing	Provides intensive instruction for students who wish to become practitioners or trainers in grassroots neighborhood model of organizing. Examines Alinsky's model of organizing and the refinement of that model. Elective course for Substantive Area: Focused Area of Study on Urban Issues in Social Work.
HBEL	Human Behavior Elective		
HBEL	5327	Ethnic Minorities and the Social Work Profession: Black Experience	Considers the Black Experience from historical, social, political, and economic perspectives. Addresses the evolution of male/female roles and relationships, the genesis of Black family patterns, and the consequences for social work practice. Examines the impact of poverty and discrimination in a context of international and national cultural factors. Required course for Substantive Area: Focused Area of Study on Black Studies for Social Work Practice; Elective course for Substantive Area: Focused Area of Study on Urban Issues in Social Work.
HBEL	5328	Ethnic Minorities and the Social Work Profession: The Puerto Rican/Latino/a Experience	Considers the Puerto Rican experience in the United States from the historical, social, political, economic, and cultural perspectives. Examines the impact of poverty, migration, and discrimination on individuals, families and communities. Required course for Substantive Area: ocused Area of Study on Puerto Rican/Latino/a Studies Social Work; Elective course for Substantive Area: Focused Area of Study on Urban Issues in Social Work; Elective course for Substantive Area: Focused Area of Study on International Issues in Social Work.
HBEL	5370	The LGBTQ Experience: Sexual and Gender Diversities	Examines the problems of America's homosexual minority. Presents homophobia (fear of homosexuals or homosexuality) as a prejudice held by all people, gay and straight, in a society which holds that heterosexuality is the "normal" and "acceptable" behavior and attitude. Intended to expand the students' awareness of how homophobic attitudes affect them and their relationships with other people in both professional and non-professional settings.

Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus

HBEL	5373	Leadership Development in Anti-Violence Work: The Susan Schechter Social Action Seminar	Collaboratively sponsored by Futures Without Violence, The Susan Schechter Leadership Development Fellowship and University of Connecticut School of Social Work, this interdisciplinary seminar will give students a structure for developing their analytic and social action abilities in the area of violence against women, children and in families. Study of the movement to end violence against these populations and its connections to other social change movements, such as civil rights and GLBT rights will be examined. The leadership approach demonstrated in the course is based on the work of Susan Schechter, an academic, activist, practitioner and writer.
HBEL	5376	Puerto Rican and Latina Women and Their Reality	Emphasizes the double oppression that the Puerto Rican woman faces. Analyzes the double burden that she confronts when seeking to maintain her identity as a Puerto Rican and as a woman in a society which discriminates against both groups. Equal emphasis is placed on issues of racism, classism, and heterosexualism since these issues create an even stronger burden on Puerto Rican women. Special consideration is given to Puerto Rican cultural aspects of the socialization process of males and females with a focus on rigid adherence to sex roles (e.g., machismo – marianismo). Elective course for Substantive Area: Focused Area of Study on Puerto Rican/Latino/a Studies Social Work; Elective course for Substantive Area: Focused Area of Study on Social Work with Women and Children in Families; Elective course for Substantive Area: Focused Area of Study on Urban Issues in Social Work
POPR	Policy Practice		
POPR	5312	Political Advocacy	Builds on the concepts and interventions introduced in the Macro Foundation Practice course. Political decision-making groups, including executive, legislative, judicial and private agency decision-making. The ways macro practitioners use power and political analysis is discussed. Emphasis is on the design, implementation and evaluation of a political advocacy strategy to improve the life situations of populations at risk, such as lobbying, preparing and delivering testimony to a public policy making group and forming and maintaining coalitions. Ethical requirements and dilemmas in doing political advocacy are integrated throughout the course. Required course for students in both the Community Organization and the Policy Practice concentrations. The co-requisites for this course differ for each of these concentrations.
SWEL	Social Work Elective		
SWEL	5345	International Development: Theory and Practice	International relief, reconstruction and development — theories and practice strategies to attack poverty and improve human well-being. Among the topics covered will be: building local capacity, developing local partnerships, use of appropriate technology to create sustainability, multi-sectoral work, cultural relevance, ensuring gender sensitive programming, understanding and working with local and national structures, funding streams, and international partnerships. Elective course for Substantive Area: Focused Area of Study on International Social Work.

**Sustainability Focused and Related Course List
University of Connecticut
Storrs Campus**

SWEL	5360	Economic Justice: Labor and Social Work	The relationship of social work and the labor movement with particular attention to the labor movement under new leadership and with new direction. Organized around four themes: 1) Common roots of labor and social work, 2) Social workers as union members, 3) Social workers as union organizers and 4) The labor movement as a social movement.
SWEL	5385	Human Rights and Social Work	Theoretical, conceptual, and practical foundation for social workers to engage in a human rights-based approach to social work. Students will gain an understanding of the international human rights system, social work's contribution to achieving human rights, and how international human rights principles can be applied to social work practice. We will use a number of cases from varied countries, including the United States, to examine how social workers can both advocate for and respect human rights in their work.