

Course Number	Course Title	Department	Course Description	Focused or Topics	Grad/Undergrad
AAS 103-010	Race And Ethnicity	IDPA-Interdepartmental Arts	Examines race and ethnicity from a sociological perspective. Focus on the role of the major racial and ethnic communities in modern American society. Explores the roles of race and ethnicity in identity, social relations, and social inequality. Topics include racial and ethnic communities, minority/majority groups, assimilation, prejudice/discrimination, identity and the social construction of the concept of "race."	Topics	Undergrad
AAS 313-010	Social Movements	IDPA-Interdepartmental Arts	Explores the origins, dynamics, and consequences of social movements through both sociological theory and empirical case studies. Covers questions of what constitutes a social movement, where and when social movements arise, who joins a social movement, and how social movements are able to contribute to change. Answers to these questions highlight issues of social movement recruitment and leadership, interactions between movements and the media, the state, and the broader public, ideology, strategies and tactics, and the factors contributing to the success and failure of social movements. Course readings drawn from case studies on civil	Topics	Undergrad
AAS 324-010	Globalization And Devel Africa	IDPA-Interdepartmental Arts	This course examines the challenges Africa presents to expectations of modernization and development. It poses these questions: Have African societies been left behind by globalization, shut out from it, or do they merely reflect an unexpected side of globalization processes? What is Africa's place in the neoliberal world order? What role does "African culture" play in generating or blocking social change? And, how can anthropology illuminate prospects for change on what has long been regarded as the "dark continent"?	Topics	Undergrad
AAS 376-010	New Media, Race and Gender	IDPA-Interdepartmental Arts	This class explores the relationship among race, gender and new media. It examines depictions of racial minorities and women online; how users access and use new media across race and gender (including a look at the digital divide); and differences in use of social media websites across race and gender. The goal is for students to understand how existing racial and gender categorizations are/are not transmitted to the online community and do/do not become extensions of present social hierarchy.	Topics	Undergrad
ANTH 121-010	Environment And Culture	SOAN-Sociology and Anthropology	Impact of environment upon cultural variability and change. Comparative study of modern and past cultures and their environments as well as current theories of human/ environmental interaction.	Topics	Undergrad
ANTH 305-010	Anthropology Of Fishing	SOAN-Sociology and Anthropology	Comparative study of fishing peoples and their technologies. Fishing strategies, control of information, and social organization of marine exploitation in subsistence and modern industrial contexts. Theory of common property resources and the role of social science in commercial fisheries management.	Topics	Undergrad
ANTH 324-010	Globalization And Devel Africa	SOAN-Sociology and Anthropology	examines the challenges Africa presents to expectations of modernization and development. Have African societies been left behind by globalization, shut out from it, or do they reflect an unexpected side of globalization processes? What is Africa's place in the neoliberal world order? What role does "African culture" play in generating or blocking social change? How can anthropology illuminate prospects for change on what has long been regarded as the "dark continent"?	Topics	Undergrad
ASIA 114-010	Social Issues In Contemp China	IDPA-Interdepartmental Arts	Dramatic Economic, cultural and social changes are underway in China today and have aroused much debate among social scientists East and West. The following social issues are critical for understanding China's development trajectory: inequality and poverty; rapid demographic shifts; provision of health care services; provision of education services; and becoming an "information society." We will explore how these issues intersect with old hierarchies in China, urban-rural differences, and gender differences.	Topics	Undergrad
BUS 001-217	Intro to Bus in Glob Envrn	BUSN-Business	An introduction to business, emphasizing critical issues impacting the business world, such as globalization, technology, ethics, and diversity. Provides an overview of the various functional areas of business and how they fit together. Stresses experiential learning and develops team-building skills. Strengthens written and oral communications skills. Provides an introduction to career opportunities and curriculum choices in business and economics. is offered only in the fall and is open only to College of Business and Economics students.	Topics	Undergrad
BUS 005-028	Values Based Decision Making	BUSN-Business	An introduction to the foundations of business integrity. The role of individual decisions and ethics in business is explored. Students evaluate cases and ethical issues they are likely to face in business. Covers fundamentals of corporate governance and cases in governance failures such as WorldCom and Enron. Social responsibility, ethical business leaders, and current topics in business ethics are addressed. Class dialog is emphasized along with reflective writing. Open only to CBE students.	Topics	Undergrad
CEE 272-010	Environmental Risk Assessment	CE-Civil and Environmental Engr	Effects of chemical releases on human health; ecological risks. Application of risk assessment methodology, including hazard identification, exposure assessment, toxicity assessment, and risk characterization. Accounting for uncertainty in data during risk management, risk reduction and implementation of regulations and environmental policy.	Topics	Undergrad
CEE 290-010	CEE Design Project	CE-Civil and Environmental Engr	Supervised design projects. Multidisciplinary teams applying the fundamentals of engineering science and the concepts of planning and systems analysis in the design of practical engineering works. The scope includes needs analysis, formulation of the design problem statement and evaluative criteria; analysis of alternative solutions and the generation of specifications. Includes most of the following considerations: economic, sustainability, manufacturability, ethical, social, environmental, aesthetic, political, health and safety. Practicing professional engineers are invited to serve as consultants. Written and oral reports are required. Must have senior standing in CEE department.	Topics	Undergrad
CEE 375-010	Environmental Engr Processes	CE-Civil and Environmental Engr	Processes applied in environmental engineering for air pollution control, treatment of drinking water, municipal wastewater, industrial wastes, hazardous/toxic wastes, and environmental remediation. Kinetics, reactor theory, mass balances. application of fundamental physical, chemical and biological principles to analysis and design.	Topics	Undergrad
CEE 377-013	Environmental Engr Design	CE-Civil and Environmental Engr	Team-oriented course to develop design skills in the area of environmental engineering. Project components typically include: air pollution, drinking water, municipal wastewater, industrial wastes, hazardous/toxic wastes, and environmental remediation. Project work typically includes: a background report, a design report, and an oral presentation. Tools used in the design process may include simulation models. Must have senior standing in CEE	Topics	Undergrad
CEE 379-010	Environmental Case Studies	CE-Civil and Environmental Engr	Case studies will be used to explore the impact of politics, economics, society, technology, and ethics on environmental projects and preferences. Environmental issues in both affluent and developing countries will be analyzed. Multidisciplinary student teams will investigate site characterization; environmental remediation design; environmental policy; and political, financial, social, and ethical implications of environmental projects.	Topics	Undergrad
CEE 471-010	Environmental Risk Assessment	CE-Civil and Environmental Engr	Effects of chemical releases on human health; ecological risks. Application of risk assessment methodology, including hazard identification, exposure assessment, toxicity assessment, and risk characterization. Accounting for uncertainty in data during risk management, risk reduction and implementation of regulations and environmental policy. Term project.	Topics	Grad

Course Number	Course Title	Department	Course Description	Focused or Topics	Grad/Undergrad
CEE 477-010	Environ Engineering Processes	CE-Civil and Environmental Engr	Processed applied in environmental engineering for air pollution control, treatment of drinking water, municipal wastewater, industrial wastes and environmental remediation. Kinetics, reactor theory, mass balances, application of fundamental physical, chemical and biological principles to analysis and design.	Topics	Grad
CHE 375-010	Environmental Engr Processes	CHE-Chemical & Biomolecular Engr	Processes applied in environmental engineering for air pollution control, treatment of drinking water, municipal wastewater, industrial wastes, hazardous/toxic wastes, and environmental remediation. Kinetics, reactor theory, mass balances, application of fundamental physical, chemical and biological principles to analysis and design.	Topics	Undergrad
CHE 376-010	Energy: Issues & Technology	CHE-Chemical & Biomolecular Engr	Energy usage and supply, fossil fuel technologies, renewable energy alternatives and environmental impacts. The scope will be broad to give some perspective of the problems, but in-depth technical analysis of many aspects will also be developed. Must have college-level introductory courses in chemistry, physics and mathematics. Consent of instructor required.	Topics	Undergrad
CIE 400-D11	Comparative & Int'l Educ	EDUC-Education and Human Services	The goal of this course is to introduce students to the origins and development of the field of international and comparative education and to explore how both scholars and educational policymakers have engaged some of the debates that characterize policy and research in education around the world. Special attention is devoted to similarities and differences in educational policy and practice between advanced and developing capitalist, socialist and "transitional" societies. At the end of this course, students should be able to think about their school or educational system within a global context, and have some idea how to make meaningful comparisons.	Topics	Grad
CIE 401-D11	Globalizatin & Contextualizatn	EDUC-Education and Human Services	The goal of the course is to clarify what globalization is and to consider the impact of globalizing ideas, structures, and cultures on education, and how educators and other stakeholders respond given their school's or system's unique global context. Through case studies and discussions with real-world school leaders, students explore ways that policies are "borrowed" and both educational cultures and structures are "institutionalized."	Topics	Grad
CIE 402-D11	Dev & Eval Of Int'L Educ Proj	EDUC-Education and Human Services	This course is an introductory exercise for students new to educational research, program evaluation and related areas (e.g., quality improvement, enhancing organizational performance, methods of social change, management training). Students will develop and conduct a professional on-site project evaluation of existing national and international projects, including initiatives undertaken by different international organizations (e.g., UNICEF, UNESCO, USAID), educational institutions, and schools (both public and private). Students will be accompanied and supervised throughout all stages of the research and evaluation process. No previous experience with evaluation research and empirical or qualitative data analysis is required.	Topics	Grad
CIE 403-D11	Globalizatin & Curr Implicatns	EDUC-Education and Human Services	This course investigates the impact of globalization on curriculum. In particular, it discusses how curriculum has historically been utilized in nation building; how tensions between the global and the local are inherent in curriculum; and how curriculum is a site of construction of national as well as global/cosmopolitan identities. Global citizenship is one of the major curricula themes spanning this dynamic intersection between the global and the local. This course will present several theoretical perspectives on this phenomenon and compare curricula across nations to understand how globalizing the curricula differs according to culture and language.	Topics	Grad
CIE 404-D11	Issues/Institutions Int'l Educ	EDUC-Education and Human Services	Explores theoretical approaches to understanding the role of education in international development by introducing students to institutions involved in international educational development in diverse global settings (e.g., United Nations, World Bank, NGOs, and state agencies). Discussions are framed by current debates in the fields of international and comparative education.	Topics	Grad
CIE 405-010	Exprnce UN: Gender&Ed Intl Dev	EDUC-Education and Human Services	Building on the Lehigh University/United Nations partnership initiative, this course provides a structured practical experience for students to learn about the dynamics of UN and civil society relationships, focusing on the issues of gender and education in international development. Class activities include trips to the UN to attend NGO briefings and other events. Students develop experiences and skills in international development such as policy blogging, brief writing, and education sector analysis.	Topics	Grad
CIE 406-D11	International Education Policy	EDUC-Education and Human Services	Focuses on how policy is created, implemented, and evaluated in schools and educational systems from a comparative and international perspective. Provides a framework for a comprehensive analysis of the education "sector" in order to inform regional, national, or multinational educational policymaking. Students will apply this understanding to an analysis of education policy in a specific region or district (e.g., Pennsylvania) from a global policymaking perspective.	Topics	Grad
CIE 407-D11	Grant Wrtg & Fund Raise Int Ed	EDUC-Education and Human Services	Addresses NGO issues and needs and will develop leadership, problem solving, and practical grant writing skills focused on international education development. The course is designed for individuals working in international NGOs and schools and is designed to work in conjunction with a local or international NGO. Teams of students will develop a project proposal related to the agency's primary service mission, articulate a fund-raising strategy, and raise capital on the basis of proposals developed in class.	Topics	Grad
CIE 471-010	Globalization & Eductn Equity	EDUC-Education and Human Services	from race, ethnicity, culture, language, class, and gender. It critically analyzes existing systems of power and privilege that maintain the social constructions of cultural differences in the United States and globally. Through readings and class discussion, students are empowered to clarify and ground their own beliefs about education equity, while articulating a vision for equitable educational development as thoughtful, critical, and humane	Topics	Grad
CPSY 448-010	School Counseling II	EDUC-Education and Human Services	Emphasis on the social and cultural context of school counseling. Includes ethical, legal, and cultural issues in the administration and interpretation of psychological tests used in K-12 settings. Focus on a special topic such as school violence or substance abuse prevention, school and community interaction, and the social and cultural context of school counseling, etc. The course will also include observations in schools.	Topics	Grad
CPSY 460-010	Foundations Of Counseling Psyc	EDUC-Education and Human Services	Knowledge in the core foundations of Counseling Psychology, including the history of Counseling Psychology, multicultural issues, career and vocational counseling, counseling/psychotherapy process and outcome, ethics, prevention and health promotion, social justice and disaster intervention. Must have admission to the Ph.D. program in counseling psychology or consent of the counseling psychology program director required.	Topics	Grad

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ECO 211-010	Introduction to Environ Eco	ECO-Economics	An examination of the interactions between our economic systems and the environment. Pollution as a consequence of human activity within a framework for analyzing the relationships between environmental quality, scarcity of resources and economic growth. How to develop appropriate policies to deal with these issues.	Topics	Undergrad
ECO 303-010	ECO Development	ECO-Economics	Economic development, economic growth and their political environment are discussed in detail. The principal economic development theories are examined. These theories are used to examine a variety of development issues including planning, poverty, rural-urban relationships, physical and human capital accumulation, international trade, and the environment. Emphasis on institutions and development policy.	Topics	Undergrad
ECO 345-010	Political Economy Of Iraq	ECO-Economics	An examination of the economic, political and social forces at work in Iraq with emphasis on the post-2002 period. Major topics include petroleum production and transport, corruption, education and other forms of human capital accumulation in an Islamic state, the agricultural transition, the rural-urban divergence, the economic impact of the ongoing conflict, unemployment and underemployment, poverty and population, the economic and political role of the state owned enterprises, entrepreneurship and the informal economy, traditional banking and micro-finance, and the inconsistencies between current political and economic development policies. concludes with a discussion of the possible futures for the Iraqi economy.	Topics	Undergrad
EDL 425-010	Leading And Managing Change	EDUC-Education and Human Services	Practices and theories about reform, change, and decision making look at who you need to communicate with and why each entity needs to be managed differently. Identify the educational stakeholders, the current trends that effect change, and what precipitates the need for change in the educational system. Addresses the process of change as it relates to individuals, the school board, teachers, students, and the administration with special emphasis on leadership, decision-making, motivation, and the dimensions of change.	Topics	Grad
EDL 489-D11	Doctr Sem Sch Admin	EDUC-Education and Human Services	Analysis of the theoretical, empirical, and conceptual aspects of contemporary issues in educational administration and their implications for policy formulation and implementation in educational institutions. Must have official standing as a doctoral student in educational leadership.	Topics	Grad
EES 002-010	Intro To Environmental Science	EES-Earth & Environmental Sciences	Focuses on natural and human-induced drivers and consequences of environmental change. Exploring options for mitigating and adapting to environmental change in ecosystems, physical and social systems, we will examine such topics as biogeochemical cycles, population pressure, ecosystem diversity, productivity and food security, energy, water resources, climate change, pollution, ozone, urban issues and sustainability. Stresses interactions and interrelationships, using a series of case studies. Intended for any student with an interest in the environment. May be combined with EES 022 or EES 004 for 4 credits.	Focused	Undergrad
EES 004-062	Science of Environmental Issues	EES-Earth & Environmental Sciences	Analysis of current environmental issues from a scientific perspective. The focus on the course will be weekly discussions based on assigned readings.	Topics	Undergrad
EES 016-010	Geology Of War	EES-Earth & Environmental Sciences	Introduction to Earth and Environmental Sciences through a study of the geologic underpinnings of human conflict, the geologic influences over the outcomes of great battles, and the long-term environmental impacts of war. Instructional format includes lectures, discussions, student projects, and a field trip to Gettysburg National Military Park. May be combined with EES 022 or EES 004 for 4 credits.	Topics	Undergrad
EES 023-010	Weath&Climatpastpresentuture	EES-Earth & Environmental Sciences	Introduction to the basic principles of meteorology, as they pertain to past, present, and future climates. Earth's energy balance: cloud formation and precipitation; winds and atmospheric circulation; regional climatologies; past warm periods and ice ages in Earth's history; the latest ideas about future climate change and global warming. Students will maintain a weather notebook to enable them to relate theory to observations from real weather data. May be combined with EES 022 or EES 004 for 4 credits.	Topics	Undergrad
EES 025-011	Environment Of Living Systems	EES-Earth & Environmental Sciences	The course will provide an introduction to the role of the environment in regulating living systems at a variety of scales and levels of organization. The role of the environment in regulating and shaping populations, communities, and ecosystems will be explored. In addition, the role of the environment will be discussed as it relates to the origin, evolution, and diversity of life on earth. Whenever possible, the role of anthropogenic environmental change will be discussed as it relates to the above topics. May be combined with EES 022 or EES 004 for 4 credits.	Topics	Undergrad
EES 026-010	Energy, Origins, Impacts & Opt	EES-Earth & Environmental Sciences	Critical assessment of current and predicted energy resources used by humans, including their origins, distribution, environmental impacts, and feasibility. Lectures, discussion, field trips. May be combined with EES 022 or EES 004 for 4 credits.	Topics	Undergrad
EES 027-010	Natural Hazards, Impact/Conseq	EES-Earth & Environmental Sciences	Earthquakes, volcanoes, tsunamis, floods, and hurricanes are a natural part of the Earth and our environment. These events have violent consequences for our lives and significant economic implications. This course examines the causes, predictability, and risk mitigation for these events. We will also consider how natural disasters are represented by popular media and whether this helps or hurts public understanding of our dynamic planet and our relationship to it. May be combined with EES 022 or EES 004 for 4 credits.	Topics	Undergrad
EES 028-010	Conservation and Biodiversity	EES-Earth & Environmental Sciences	An introduction to the science of conservation biology. We examine the evolution of biodiversity on earth, spatial patterns of biodiversity, the impact of human activities on biodiversity, and assess strategies for the management and conservation of biodiversity. Students gain the scientific literacy necessary to make informed decisions about topics such as wilderness preservation, species conservation, and land use. May be combined with EES 022 or EES 004 for 4 credits.	Focused	Undergrad
EES 100-010	Earth Systems Science	EES-Earth & Environmental Sciences	Examination of the Earth as an integrated system. Study of interactions and feedbacks between key components such as the atmosphere, biosphere, geosphere, and hydrosphere to permit better understanding of the behavior of the system as a whole. Response of the Earth system to human perturbations such as land use and emissions are explored in the context of predictions of future environmental conditions and their projected impacts back on human systems. Lectures, class discussions, and lab.	Topics	Undergrad
EES 152-110	Ecology	EES-Earth & Environmental Sciences	Basic principles and applications of ecological interrelationships. Examination of ecological phenomena at the individual, population, community, and ecosystem levels. Impact of human activities on global ecosystems.	Topics	Undergrad

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EES 200-010	Earth History	EES-Earth & Environmental Sciences	Review of the coevolution of Earth, life, climate, and the environment, and introduction to the records used to constrain this history. The course addresses environmental changes at both geologic and human time spans. Includes laboratory exercises and field trips.	Topics	Undergrad
EES 250-110	Terrestrial Ecosystems	EES-Earth & Environmental Sciences	Ecosystem ecology in the context of the Earth system; discussion of mechanisms by which terrestrial ecosystems function, including the flow of water and energy and the cycling of carbon and nutrients; characterization of temporal and spatial patterns in ecosystem processes and their sensitivity to environmental and biotic changes; integration of global scale effects of these processes. Includes lectures, field trips and laboratories.	Topics	Undergrad
EES 379-010	Environmental Case Studies	EES-Earth & Environmental Sciences	Case studies will be used to explore the impact of politics, economics, society, technology, and ethics on environmental projects and preferences. Environmental issues in both affluent and developing countries. Multidisciplinary student teams investigate site characterization; environmental remediation design; environmental policy; and political, financial, social, and ethical implications of environmental projects.	Topics	Undergrad
EES 402-010	Environ Sci Fdn For Policy Des	EES-Earth & Environmental Sciences	This course explores the science behind the environmental issues that bear on policy process at local, national and global scales. The course delves into the science of selected environmental issues that have either arisen from anthropogenic activities, that impact social systems, or that help policy-makers understand the consequence of different policy options. The course consists of readings and discussions of timely topics and one major project.	Topics	Grad
EES 415-010	Paleoclimatology	EES-Earth & Environmental Sciences	Overview of climate system, including energy budget, feedbacks, atmospheric and ocean circulations, and their interactions. Earth's climate history and mechanisms of past climate variations at various time scales, with emphasis on late Quaternary. Lectures, presentations and discussion of recent literature, especially on approaches to studying climate change and paleo-perspectives on ongoing climate change. Must have graduate standing in EES, or consent of course instructor.	Topics	Grad
ENTP 101-011	Entrepreneurship	BUSN-Business	Introduction to the nature of entrepreneurship and the entrepreneurial mindset. Emphasis on identifying opportunities, generating creative ideas, and the process of scaling up sustainable organizations. Topics include: alternative concepts of entrepreneurship and social entrepreneurship; personal attributes of entrepreneurs; steps in new venture creation; introduction to entrepreneurial finance and marketing; new venture planning for both emerging and existing enterprises. Uses case studies, hands-on experiential teams, and exposure through guest speakers to successful entrepreneurs and to Lehigh and community resources for entrepreneurs.	Topics	Undergrad
ENTP 307-010	Int'l. Social Entrepreneurship	IDPC-Interdepartmental Collegiate	International social entrepreneurship aims to change the world through innovation in solving social problems. Focus on the nexus between social entrepreneurship and development practice, especially in relation to NGOs. Emphasis on acquiring the tools and conceptual framework to launch a new social venture through real world hands-on field work and team-oriented learning by doing. Exposure to best practices in field methods with respect to development projects, to how to affect meaningful social change in poor countries, to generate and evaluate innovative ideas for poverty reduction, to develop those ideas into concrete on-the-ground start-up plans, and to take initial steps to implement them. It is recommended, but not required, that students have some previous experience with development or entrepreneurship, such as through enrollment in ENTP 101 or IR 322 or Eco 303	Topics	Undergrad
ES 001-010	Intro To Environmental Studies	IDPA-Interdepartmental Arts	Gateway to the field of Environmental Studies, the course surveys central issues and themes confronting humanity in the natural world on a national and global basis. Topics include humankind's role in environmental change; society's response to the dynamism of nature; cultural evaluations of nature; population dynamics; resource availability and pollution sinks; land use patterns; sustainability and consumerism; environmental justice and ethics; policy and planning. This course fulfills a social science credit requirement. Please select ES 002 to fulfill the natural science requirement.	Focused	Undergrad
ES 093-081	Internship in EI	IDPA-Interdepartmental Arts	The Lehigh Earth Observatory (LEO) is a distributed, multidisciplinary program that focuses study on the environment with a particular emphasis on understanding the science of environmental systems and the relationship between these systems and society. LEO has a focus on environmental systems, drawing students from a variety of disciplines including policy, management, economics, journalism, business, art, and philosophy in addition to science and engineering. Field projects contribute to an overall theme of postindustrial land use and development as it impacts the natural environment of the Lehigh Valley, and may include long-term monitoring programs, or individually designed projects that contribute to the overall mission that includes science, engineering, policy, communications, ethics, social dynamics, and other environmentally pertinent aspects of the region. Students work with a faculty advisor on individually designed projects. Projects may involve technical, social, educational, or other outreach activities, and NS, SS, or HU credits are designated as appropriate. This course is intended for first time participants. Past projects and more details about LEO are available at <a href="http://www.leo.lehigh.edu">http://www.leo.lehigh.edu</a> . Students should contact the Environmental Initiative for departmental permission to register.	Topics	Undergrad

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ES 105-010	Environmental Policy& Planning	IDPA-Interdepartmental Arts	Analysis of the framework that has been established to protect the environment and promote sustainable growth. Focus on the roles of the different branches of the U.S. government and the relative responsibilities of state and local governments within this framework. Consideration of the political nature of environmental issues and the social forces influencing environmental protection in different areas of domestic environmental policy, such as climate change, toxic waste disposal and natural resources conservation.	Focused	Undergrad
ES 121-010	Environment And Culture	IDPA-Interdepartmental Arts	Impact of environment upon cultural variability and change. Comparative study of modern and past cultures and their environments as well as current theories of human/environmental interaction.	Topics	Undergrad
ES 123-010	Sustainability In Action I	IDPA-Interdepartmental Arts	First half of a year-long experiential learning program for students to engage with sustainability in both general theory and applied practices. Students will learn the political, economic and social effects of changing earth systems through a global, national and local lens. Students will explore the multitude of challenges posed by increasing natural resource consumption, inequitable distribution of wealth and rapid uneven globalization. Most importantly, students will engage the Lehigh community and broader community in developing and implementing practical solutions to creating a more sustainable and just world. Offered in coordination with the Campus Eco-Reps program. Instructor permission required.	Focused	Undergrad
ES 124-010	Sustainability In Action II	IDPA-Interdepartmental Arts	students to engage with sustainability in both general theory and applied practices. Students will learn the political, economic and social effects of changing earth systems through a global, national and local lens. Students will explore the multitude of challenges posed by increasing natural resource consumption, inequitable distribution of wealth and rapid uneven globalization. Most importantly, students will engage the Lehigh	Focused	Undergrad
ES 125-010	Environmt,Public&Mass Media	IDPA-Interdepartmental Arts	Extensive exploration of local, national and international environmental problems and their social, political and economic impacts. Analysis of mass media coverage of complex environmental issues and the media's effects on public opinion and government environmental policies. Examination of environmental journalism principles and practices in the United States and around the world.	Topics	Undergrad
ES 131-090	Internship	IDPA-Interdepartmental Arts	Practical experience in the application of environmental studies for both on- and off-campus organizations. is designed to provide credit for supervised experiential learning experiences. Consent of program director required.	Topics	Undergrad
ES 223-010	Adv Sustainability In Action I	IDPA-Interdepartmental Arts	Leadership and coordination of Sustainability in Action projects and activities for students in ES 123. Experienced students who have completed the year-long Sustainability in Action sequence (ES 123 and ES 124) continue in course coordination role. Offered in coordination with the Campus Eco-Reps Program. Consent of instructor required.	Focused	Undergrad
ES 224-010	Adv sustainability In Action II	IDPA-Interdepartmental Arts	Continuation of ES 223. Leadership and coordination of Sustainability in Action projects and activities for students in ES 124. Experienced students who have completed the year-long Sustainability in Action sequence (ES 123 and ES 124) continue in course coordination role. Offered in coordination with the Campus Eco-Reps Program. Consent of instructor required.	Focused	Undergrad
ES 315-011	American Environmental History	IDPA-Interdepartmental Arts	Relationship between Americans and their natural environment from the colonial period to the present: impact of European settlement, attributes toward wilderness, role of technological development, rise of preservation and conservation movements, establishment of national parks, recent environmental protection legislation.	Topics	Undergrad
ES 333-010	Intl Environmental Law& Policy	IDPA-Interdepartmental Arts	This course examines the basic international legal setting for the protection and management of the global environment. It examines how international law concerning nature is made and applied, the role of international environmental regimes or institutions, enforcement strategies, and compliance mechanisms. Emphasis will be placed on a review of various regulatory regimes for the protection of the global commons, including the history and legal sources of the Global Climate Change Convention.	Topics	Undergrad
ES 401-010	Phil-Pol & Environ Legal Design	IDPA-Interdepartmental Arts	A basic class for graduate students on the idea of policy design, as opposed to standard economic analysis of public policy and its application to various domestic and international environmental dilemmas. The course will also introduce the idea of Philosophical-Policy, or the use of integrated philosophical systems to justify specific policy design arguments, through the use of two distinct theoretical paradigms that focus on, specifically, the integrity of the natural environment and the capabilities of humans in relation to ecosystems.	Topics	Grad
ESE 401-010	Energy Generation	IDPE-Interdepartmental Engineering	This course provides an overview of the different methods of generating electricity, such as turbine driven electrochemical generators, fuel cells, photovoltaics, and thermoelectric devices. Topics include the combustion of fossil fuels (coal, natural gas, and oil), nuclear fission and fusion, and renewable resources (solar, wind, hydro, tidal, and geothermal sources). Sustainability, energy efficiency issues, as well as public interest and policy drivers are also addressed.	Topics	Grad
ESE 403-010	Energy And The Environment	IDPE-Interdepartmental Engineering	This course provides an overview of the direct and indirect impact of energy generation and transmission technologies on the environment. Topics include global climate change, clean energy technologies, energy conservation, air pollution, water resources, and nuclear waste issues.	Focused	Grad
GCP 001-010	Intro to Global Studies	IDPA-Interdepartmental Arts	MTV/International. Islam. Yao. The UN. Global warming. Terrorism. McDonald's. Almost every aspect of human existence has been touched in some way by the dynamic of globalization. The historical and continuing integration of peoples, cultures, markets and nations, globalization may become the defining characteristic of the 21st Century. It has been a Janus-like force of two faces, with advantages and disadvantages, surfeit and suffering. In this emphatically interdisciplinary course, the foundation class for the Global Studies major and intended for freshmen and sophomores, students will be introduced to a variety of historical, critical and analytical perspectives, methods and vocabularies for continued study of globalization and social change.	Topics	Undergrad

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GCP 002-010	Intro To Environmental Science	IDPA-Interdepartmental Arts	Focuses on natural and human-induced drivers and consequences of environmental change. Exploring options for mitigating and adapting to environmental change in ecosystems, physical and social systems, we will examine such topics as biogeochemical cycles, population pressure, ecosystem diversity, productivity and food security, energy, water resources, climate change, pollution, ozone, urban issues and sustainability. Stresses interactions and interrelationships, using a series of case studies.	Focused	Undergrad
GCP 003-010	Global Religion, Global Ethics	IDPA-Interdepartmental Arts	Introduction to philosophical and religious modes of moral thinking, with attention given to ethical issues as they arise cross-culturally in and through religious traditions. The course will reference the United Nations Millennium Goals to consider family life and the role of women, social justice, the environment, and ethical ideals. Particular focus varies but may include one or more of the following: abortion and reproductive health, the death penalty, religiously motivated violence, and problems of personal disorder (heavy drinking, anorexia, vengeance). A Global Citizenship course.	Topics	Undergrad
GCP 285-010	The Citizen and the City	IDPA-Interdepartmental Arts	In this age of ubiquitous globalization, many political theorists have returned to the city to ask meaningful, relevant, yet limited questions of politics and public life. This service-learning seminar will do the same, actively engaging Bethlehem to explore the responsibilities, difficulties, and pleasures surrounding local citizenship. Course readings examine urbanism, diversity, the built environment, and social justice—all in relation to the metropolitan landscape that surrounds and sustains Lehigh University. All participants will complete 10-15 hours of service to Bethlehem.	Topics	Undergrad
GCP 320-010	Global Marketing	IDPA-Interdepartmental Arts	Anthropological approach to the forms and effects of global capitalism. Topics include the structure of contemporary global capitalism, including the growth of multinational corporations, flexible corporate strategies, overseas manufacturing, and global branding and marketing; the impact of global capitalism on the environment and on the lives of people in "Third World" countries; consumer culture and the diversity of non-Western consumption practices; alternative capitalist systems, especially Asian capitalisms.	Topics	Undergrad
GS 101-010	Histories Of Globalization	IDPA-Interdepartmental Arts	Critical historical perspectives on current debates around "globalization" and the varied paths and responses to modernity, using recent scholarship associated with the New Global History. The "Rise of the West" paradigm, Industrial Revolution and modernization theory; creation of global financial markets, nation-building and New Imperialism; Great Depression and World Wars as global historical events; postwar decolonization, Cold War and emergence of North-South relations; impact of consumerism, movements for women's rights, ethnic nationalism and religious fundamentalist movements in tradition-bound societies.	Topics	Undergrad
GS 106-010	Cultural Studies&Globalization	IDPA-Interdepartmental Arts	This course closely examines the complex relationship between culture and globalization. The impact of globalization on local culture is an essential topic. But the interaction of globalization and culture is not a one-way process. People around the world adapt globalization to their own uses, merging global cultural flows with local practices in transformative ways. The course will study the interaction of local culture with globalizing forces; immigration and culture; the localizing of mass culture; cultures of diasporic and migratory groups, and globalization, gender and identity.	Topics	Undergrad
GS 324-010	Globalization And Devel Africa	IDPA-Interdepartmental Arts	examines the challenges Africa presents to expectations of modernization and development. It poses these questions: Have African societies been left behind by globalization, shut out from it, or do they reflect an unexpected side of globalization processes? What is Africa's place in the neo-liberal world order? What role does "African culture" play in generating or blocking social change? How can anthropology illuminate prospects for change on what has long been regarded as the "dark continent"?	Topics	Undergrad
HIST 101-010	Histories Of Globalization	HIST-History	Critical historical perspectives on current debates around "globalization" and the varied paths and responses to modernity, using recent scholarship associated with the New Global History. The "Rise of the West" paradigm, Industrial Revolution and modernization theory; creation of global financial markets, nationbuilding and New Imperialism; Great Depression and World Wars as global historical events; postwar decolonization, Cold War and emergence of North-South relations; impact of consumerism, movements for women's rights, ethnic nationalism and religious fundamentalist movements in traditionbound societies.	Topics	Undergrad
HIST 105-010	Sports In Modern America	HIST-History	Surveys the social, cultural, and political role of sports in America since the Civil War. By addressing the development of sports and its relationship with race, class, ethnicity, gender, the media, popular culture, and government, this class will examine the impact of sports in making the America and Americans of the 20th century.	Topics	Undergrad
HIST 315-011	American Environmental History	HIST-History	Relationship between Americans and their natural environment from the colonial period to the present; impact of European settlement, attitudes toward wilderness, role of technological development, rise of preservation and conservation movements, establishment of national parks, recent environmental protection legislation.	Topics	Undergrad
HMS 322-010	Global Health Issues	IDPA-Interdepartmental Arts	Examines the sociological dimensions of health, illness, and healing as they appear in different parts of the world. Focuses on patterns of disease and mortality around the world, with special emphasis on major epidemics such as HIV/AIDS, and malaria; the relative importance of 'traditional' and 'modern' beliefs and practices with regard to disease and treatment in different societies; the organization of national health care systems in different countries; and the role of international organizations and social movements in promoting health.	Topics	Undergrad
HMS 354-010	U.S. Health Care Politics	IDPA-Interdepartmental Arts	Explores a range of health care programs and policies and their impacts on American society. Topics include the development of the U.S. approach to health care; public sector plans (Medicare and Medicaid); the role of managed care; the employer-sponsored system; the situation of the medically uninsured; the health care vested interests and lobbyists; movements for national health care; and options for change.	Topics	Undergrad
IR 010-010	Introduction To World Politics	IR-International Relations	Introduction to the major principles, concepts, and theories of international relations, along with a historical background focusing on the 19th and 20th centuries. Topics to be covered include the nature of power, balance of power theories, national interest, decision-making in foreign policy, theories of war and expansion, patterns of Cooperation, and international political economy.	Topics	Undergrad
IR 105-010	Theories Of Intl Relations	IR-International Relations	The role of theory in historical explanation, prediction, and policy. Issues of theory design and testing. Important theoretical approaches to international relations, including Realism; the Democratic Peace; the domestic politics of foreign policy; history and mythmaking; psychological explanations.	Topics	Undergrad
IR 125-010	INT'L POLITICAL ECONOMY	IR-International Relations	Principles governing the interaction between the economic and political components of international phenomena. Political aspects of trade, investment, and global economic order. Political underpinnings of international economic relations. Domestic and international political consequences of economic policy and international economic relations.	Topics	Undergrad

Course Number	Course Title	Department	Course Description	Focused or Topics	Grad/Undergrad
IR 132-010	Nationalism & Ethnic Conflict	IR-International Relations	The ideal of nationalism exerts a powerful pull on almost all people everywhere. This course investigates the sources, spread, and possible future decline of nationalism and national identity, the manipulation of nationalist feelings for political purposes, and the sources of national and ethnic conflict. We will also consider proposals for managing ethnic conflicts and their records of success (or failure). We will study recent and current cases, such as the Israeli-Palestinian conflict, ethnic relations in Iraq and Afghanistan, the Balkans, or others as current events demand. Prospects for the futures of nationalism, ethnic conflict, and ethnic conflict management. Simulations of decision-making of groups involved in ethnic conflicts.	Topics	Undergrad
IR 142-010	International Law	IR-International Relations	This course deals with the nature and sources of international law and the major theoretical and historical developments that have created the legal system of states as it now stands. Topics include: armed conflict, international trade, human rights and international environmental law.	Topics	Undergrad
IR 307-010	Int'l. Social Entrepreneurship	IR-International Relations	International social entrepreneurship aims to change the world through innovation in solving social problems. Focus on the nexus between social entrepreneurship and development practice, especially in relation to NGOs. Emphasis on acquiring the tools to launch social ventures through field work and team-oriented learning by doing. Best practices in field methods for development projects in poor countries. Developing innovative ideas for poverty reduction into concrete on-ground start-up plans, and taking initial steps to implement and evaluate them. Instructor(s) permission. Does not meet the advanced seminar core requirement.	Topics	Undergrad
IR 345-010	Democratization	IR-International Relations	Interdisciplinary analysis of international and transnational influences on regime transitions. Addresses the role of war, trade, colonial legacies, waves of democratization, socializations, demonstration effects, and international law, the policies of the United States, EU, OAS, UN, World Bank, and NGOs; and the efficacy of different instruments of democracy promotion. Consent of department required.	Topics	Undergrad
JOUR 101-010	Media, Sports & Society	JOUR-Journalism and Communication	Analysis of social, political and economic implications of media sports coverage; emphasis placed on media coverage of events of international scope, such as the World Cup, World Series and the Olympics; special attention paid to the role of the sports press in coverage of issues such as AIDS, racism, sexism, drug use and terrorism.	Topics	Undergrad
JOUR 125-010	Environmt,Public&Mass Media	JOUR-Journalism and Communication	Extensive exploration of local, national and international environmental problems and their social, political and economic impacts. Analysis of mass media coverage of complex environmental issues and the media's effects on public opinion and government environmental policies. Examination of environmental journalism principles and practices in the United States and around the world.	Topics	Undergrad
MAT 101-010	Professional Development	MAT-Material Science & Engineering	The role and purpose of engineering in society; the meaning of being a professional; engineering ethics; environmental issues; safety issues; communications and decision-making in the engineering process; expectations and problems of young engineers; personal goals; choosing a career. Required reading. Written reports based on library research. Must have junior standing.	Topics	Undergrad
ME 364-010	Renewable Energy	ME-Mechanical Engr & Mechanics	Fundamentals and design aspects of Renewable Energy (RE) technologies; biofuels, hydropower, solar photovoltaic, solar thermal, wind, geothermal energies. Details and difficulties in implementing RE. Senior standing in Engineering.	Topics	Undergrad
ME 368-010	Fund. Energy Effic. Practicum	ME-Mechanical Engr & Mechanics	Studies of the plant operation and energy usage. Students work with the Lehigh Industrial Assessment Center to do technical and economic feasibility studies of optimizing energy consumption. Industrial experience. Fundamentals of best practices to save energy, reduce waste, and increase productivity. Consent of instructor required.	Topics	Undergrad
ME 468-010	Adv. EnergyEfficiencyPracticum	ME-Mechanical Engr & Mechanics	Critical assessments of energy management systems. Establishment of framework for industrial facilities to manage energy systems. Fundamentals of best practices for energy efficiencies associated with industrial energy savings. Progress and final reports required. Engineering graduate students only. Consent of instructor required.	Topics	Grad
MGT 363-010	Diversity&Inclusion Workplace	MGT-Management	This 3-credit course focuses on the complex dynamics that emerge in diverse groups and environments, explains how diversity and inclusion affect individual and organizational performance, relates diversity and inclusion to career development and success and to the management of human resources. This course also aims to develop skills and competencies for effectively managing diversity and its effects in the workplace. Diversity and Inclusion in the Workplace will be taught with a combination of lectures, self-assessments, class discussions, group exercises, self-reflections, case studies, and current events.	Topics	Undergrad
PHIL 008-010	Intro:Ethics In Global Perspec	PHIL-Philosophy	Examination of the moral perspectives of a variety of different ethical outlooks, including Euro-American, Hindu, Buddhist, Confucian, African, and Islamic traditions, and of serious moral problems arising from globalization, including the increasing gap between the rich so-called First World nations and the poor so-called Third World nations, global environmental degradation, war and terrorism.	Topics	Undergrad
POLS 105-010	Environmental Policy& Planning	POLS-Political Science	Analysis of the framework that has been established to protect the environment and promote sustainable growth. Focus on the roles of the different branches of the U.S. government and the relative responsibilities of state and local governments within this framework. Consideration of the political nature of environmental issues and the social forces influencing environmental protection in different areas of domestic environmental policy, such as climate change, toxic waste disposal, and natural resources conservation.	Focused	Undergrad
POLS 230-010	Movements&Legacies Of 1960S	POLS-Political Science	The lessons and legacies of 1960s social and political movements. Students examine civil rights, black power movements, the New Left, campus protests, the Vietnam war and antiwar movement, the counterculture, women's and ecology movements and assess their connection to democracy, today's world and their own lives.	Topics	Undergrad
POLS 240-010	Law & Order: Crime & Punishmnt	POLS-Political Science	This course explores the legal and political consequences of various theories of crime, punishment and social control in the United States. Topics include policing, racial profiling, trial court proceedings and the administration of justice, growing incarceration rates and the prison industry, capital punishment, the jury system, and the nature of legal obligation.	Topics	Undergrad
POLS 307-010	Politics Of Mental Health Pol.	POLS-Political Science	What is normal behavior, and how do we come to understand mental illness? How do the resulting policies, to address mental health, impact society? This course is designed to facilitate thoughtful discourse on the various is hierarchy in human societies inevitable? How do we make sense of justice and equality if domination is an inescapable aspect of the social world? Our consideration of these questions will draw on a wide range of	Topics	Undergrad
POLS 340-010	Domination	POLS-Political Science		Topics	Undergrad

Course Number	Course Title	Department	Course Description	Focused or Topics	Grad/Undergrad
POLS 354-010	U.S. Health Care Politics	POLS-Political Science	Health care programs, policies, and their impact on American society. Topics include approaches to health care; public sector plans (Medicare and Medicaid); managed care; the employer-sponsored system; medically uninsured; vested interests and lobbyists; movements for national health care; and options for change.	Topics	Undergrad
POLS 430-010	Movements & Legacies Of 1960'S	POLS-Political Science	The lessons and legacies of 1960s social and political movements. Students examine civil rights, black power movements, the New Left, campus protests, the Vietnam war and antiwar movement, the counterculture, women's and ecology movements and assess their connection to democracy, today's world, and their own lives.	Topics	Grad
SDEV 010-011	Challenges Of Sustainble Dvlpmnt	IDPA-Interdepartmental Arts	History and principles of sustainable development, including their application to projects in both rich and poor countries. Survey of current environmental, social and economic challenges to sustainable development. Philosophy and ethics of external intervention for poverty alleviation and green development, especially in poor societies. Integrated approaches to sustainable development practice, including the inter-relationship of the health sciences, natural sciences, social sciences and management.	Focused	Undergrad
SDEV 201-010	Sustainble Dvlpmnt Solutions I	IDPA-Interdepartmental Arts	Projects practicum in which cross-disciplinary teams of 5-6 students focus on understanding the context of a particular NGO amidst the broader social, economic, and scientific challenges to sustainable development. Analytic techniques for designing, implementing and evaluating projects. Nuts and bolts of development practice. Teams work on needs assessment related to their NGO's proposed goals and devise innovative solutions for implementing development projects. On-the-ground field experience, whether international or domestic, is required. Fee may apply. Oral presentations and written reports.	Focused	Undergrad
SDEV 202-010	Sustainble Dvlpmnt Solutions II	IDPA-Interdepartmental Arts	Continuation and extension of projects begun in SDEV 201. Refine implementation strategies and develop project evaluation protocol. Oral presentations and written reports.	Focused	Undergrad
SDEV 203-010	Research In Sustainable Dev	IDPA-Interdepartmental Arts	Students will work on sustainable development research projects not involving field work. Consent of instructor required.	Focused	Undergrad
SDEV 372-010	Ind.Study:Sustainable Dev	IDPA-Interdepartmental Arts	Opportunity for students to pursue individual sustainable development projects or continue work begin in SDEV 201/202. May not count towards minor's credit requirements. Consent of department required.	Focused	Undergrad
SOC 001-119	Intro To Sociology/Social Psyc	SOAN-Sociology and Anthropology	Patterns of social interaction, group behavior and attitudes provide a focus on the relationship of the individual to society. Social structure and social change within the institutions of society provide a focus on the relationship of society to the individual. The influences of social class, gender and race are explored at each level of analyses. Theories, methods and research results provide micro and macro models for understanding society.	Topics	Undergrad
SOC 103-010	Race And Ethnicity	SOAN-Sociology and Anthropology	examines race and ethnicity from a sociological perspective. Focus on the role of the major racial and ethnic communities in modern American society. Explores the roles of race and ethnicity in identity, social relations, and social inequality. Topics include racial and ethnic communities, minority/majority groups, assimilation, prejudice and discrimination, identity, and the social construction of the concept of "race."	Topics	Undergrad
SOC 114-010	Social Issues In Contemp China	SOAN-Sociology and Anthropology	Dramatic economic, cultural and social changes are underway in China today and have aroused much debate among social scientists, East and West. The following social issues are critical for understanding China's development trajectory: inequality and poverty; rapid demographic shifts; provision of health care services; provision of education services; and becoming an "information society." We will explore how these issues intersect with old hierarchies in China, urban-rural differences, and gender differences.	Topics	Undergrad
SPED 332-010	Educ/Incl Ind Spec Needs K-12	EDUC-Education and Human Services	Overview of social, developmental, legal, and educational issues and practices related to the special education of individuals with disabilities. Covers social, environmental, and physiological etiology; development; identification; learning characteristics; and needs of individuals identified for special education. Emphasizes meeting diverse needs of students in general education classrooms through evidence-based practices and adaptations matched to learner needs. Addresses legal rights of students and their families, as well as legal responsibilities of teachers as required by IDEA and other related special legislation.	Topics	Undergrad
SSP 313-010	Social Movements	SOAN-Sociology and Anthropology	Explores the origins, dynamics, and consequences of social movements through both sociological theory and empirical case studies. Covers questions of what constitutes a social movement, where and when social movements arise, who joins a social movement, and how social movements are able to contribute to change.	Topics	Undergrad
TLT 404-010	Div, Fams & Schl Collabs K-12	EDUC-Education and Human Services	Cultural and linguistic diversity as critical variables in educational equity for all learners, including ELL. Explores home-school partnerships, family and professional collaboration, and teacher self-awareness. Implementing culturally sensitive and responsive classroom practices as well as forming collaborative relationships with families that respect diversity of family contexts. Collaborative, multidisciplinary teaming to support, optimize, and advocate for student's educational needs and connect to community services and resources available to individuals and families. Addresses family mental health issues and wraparound services.	Topics	Grad
WGSS 001-010	Women & Men in Society	IDPA-Interdepartmental Arts	The course introduces students to key concepts, theoretical frameworks, and interdisciplinary research in the field of Women's and Gender Studies. Examines how gender interacts with race, age, class, sexuality, etc., to shape	Topics	Undergrad



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WGSS 405-010	Exprnce UN: Gender&Ed Intl Dev	IDPA-Interdepartmental Arts	Building on the Lehigh University/United Nations partnership initiative, this course provides a structured practical experience for students to learn about the dynamics of NGO/UN relationships by representing one of the underrepresented international NGOs at the United Nations. Equips students with necessary experience, understanding, and skills in international education development such as policy brief writing and education sector analysis.	Focused	Grad
WGSS 418-010	Gendered Exper Of Globalization	IDPA-Interdepartmental Arts	Women and men experience globalization differently and globalization affects women in different cultural and national contexts. Gender stratification has been intensified by the transnational flow of goods and people. provides students with a survey of new development in feminist theories on globalization and on gender stratification and development, and links these theoretical frameworks to empirical research about gender issues that have become more prominent with globalization.	Topics	Grad