1) Sustainability Focused Courses (36)

**BIOL-304 Biogeodiversity** Explores the influences of geology (abiotic factors), environment (including climate), and place on the evolution and diversity of life. Students investigate multiple issues posed by the science and technology of the diversity of life on this planet. Particular issues include changing views of systematic relationships of living things, how many species occur on earth, and how to establish effective public policy guidelines for protection of life's diversity.

**BIOL-408 Aquatic Ecology** The ecology of freshwater ecosystems. Emphasizes biota of freshwater and their relationships with physical and chemical components of lakes, streams and reservoirs.

**BIOL-409 Aquatic Ecology Laboratory** Field laboratory in aquatic ecology techniques. Topics include physical and chemical measurements and the identification and enumeration of phytoplankton, zooplankton, aquatic plants and benthic organisms.

**BIOL-560 Sustainable Food Systems** Explores salient issues in the biological sciences from an interdisciplinary perspective.

**ECOL-100 Introduction to the Science of Ecology** An introduction to ecology and its relationships with other disciplines of science. Emphasizes analysis of current problems in the ecological sciences, particularly as they relate to discussions that students will have to make as citizens of a scientific/technological society.

**EENV-101 Environmental Science** Modern society functions with incredible resources and conveniences. Some of this progress has come at a great environmental price. This course investigates the scientific principles of the geosphere, hydrosphere, biosphere and atmosphere, and examines the environmental issues that our society faces. Topics include sustainability, ecology, resources, energy, pollution, wastes and approaches to living in a more sustainable way.

**EENV-102 Environmental Hazards** Investigation of selected natural hazards, including volcanic eruptions, earthquakes, severe weather and landslides that affect and may be affected by humans. Topics are interrelated by case studies, discussion of current issues, and laboratory and field exercises.

**EENV-105 Energy and the Environment** Modern society relies on cheap and abundant energy for almost every aspect of daily life, from transportation to entertainment. Where does this energy come from? How much do we consume? How will we meet our future energy needs? What are the consequences of our energy use? These questions will be addressed as energy use and its impact on the environment is explored. Topics include the scientific principles that define energy and its transformation, society's current reliance on fossil fuels, climate change, and alternative and sustainable energy sources.

**EENV-213 Oceanography** Introduction to oceanography. The processes that control the formation and function of the oceans. The course focuses on food, mineral and energy resources associated with the ocean and societies’ influence on those resources.
EENV-220 Water Resources Introduction to watersheds and water resources. Students study the distribution and variation in water resources (lakes, rivers, groundwater) and the historical impact of water resources on societies past and present. Topics include surface water hydrology, fluvial geomorphology, hill slope processes, water budgets, stream flow, water allocation law, water conflicts, and surface water and groundwater interactions.

EENV-242 Climate and Global Change An overview of the Earth's past, present and future climate. Topics include climate forcing, response and feedbacks; observed climate change; climate data; anthropogenic climate change; and climate change treaties.

EENV-313 The Susquehanna River This course will examine the Susquehanna River drainage basin from multiple perspectives including its geologic history, ecologic relationships and influences throughout the basin, the historical colonization and use of resources within the basin, and our recent response to the environmental issues that currently plague the system. Through a multidisciplinary approach, we will begin to better understand this complex environment and its future outcome.

EENV-332 Sustainable Energy Resources An overview of energy use, its effect on the environment and the potential for sustainable energy solutions. Traditional, nonsustainable energy production from fossil fuels is first described in terms of energy efficiency, environmental impact and available reserves. This is followed by a description of individual sustainable energy technologies with a focus on the underlying science, energy production rates, viability and potential limitations. Specific technologies that are discussed include: wind turbines, solar thermal systems, solar photovoltaics, hydropower, wave and tidal energy capture, and geothermal heating.

EENV-380 Wetlands Analysis Wetlands are complex environments that are controlled by chemical, biological and physical interactions. The course explores the structure, function, management and jurisdictional delineation of non-tidal freshwater wetlands. Lecture material covers the history of wetlands use/abuse; current definitions and analysis of the common indicators of wetland function; and hydrology, soils and vegetation. The laboratory consists of plant identification, techniques for hydric soil analysis and identification of wetland hydrology indicators using current methodologies for delineation of jurisdictional wetlands.

EENV-383 Soil Science Soil science is the exploration of the organic and mineral material that forms thin layers where atmospheric, biological and geological interactions occur. Students study the materials that make up soil, their relationship to each other, water and air interactions, and the biological, chemical and physical processes that are at work in soil. The course also explores how various cultures have used and abused this natural resource and how different diversity markers, such as sexual orientation, ethnic background, global residence and socioeconomic status, have affected the science and participation in federal support programs.

EENV-430 Chemistry of Natural Waters Chemical reactions in the atmosphere, the land surface and in the groundwater determine the distribution of both beneficial and toxic materials on earth that may affect resource distribution and human health. Chemistry of Natural Waters examines the elements and reactions that govern the mobility, stability and distribution of
nutrients, salts and toxins in freshwater, marine, atmospheric and groundwater systems. Chemical analysis techniques, field methods, computer applications and problem solving are important components of the course.

ENGL-205 Shakespeare and the Environment Specialized courses surveying a particular theme or topic of literary study and fostering in students the capacity for critical thinking. Texts are chosen according to the interest and expertise of instructors.

ENGL-381 Rhetoric and the Environment An interdisciplinary workshop course focusing on the environment. Students explore the way scientists' knowledge, methods and values have informed public rhetoric and scholarly rhetorical criticism, as well as the ways that rhetorical criticism and awareness have in turn had an impact on scientific discourse. Fundamental to the course is the crafting of students' written arguments in response to readings and personal involvement with environmental issues. The process of writing these arguments is informed by research from the field of composition and models the best practices of that field, making this course useful for future teachers and professional writers, as well as to those who are interested in environmental issues.

ENST-301 Current Topics in Environmental Studies An in-depth analysis of a current environmental issue. The topic will be explored through an integration of disciplines, including science, ethics, economics, policy, law and literature, as well as the role of citizen activism.

ENST-335 Environmental Laws and Regulations Surveys important state and federal environmental legislation, the principles on which these laws are founded, and the problems that arise in their practical application. Employs case studies to illustrate how environmental laws function in contemporary American society.

MGMT-404 Global Business Ethics Examines the concepts and applications of ethical and moral behavior that affect business decision making and result in socially responsible policies and actions. Uses actual cases and issues to demonstrate the need for social responsibility as an integral part of business strategies and implementation.

MGMT-437 Sustainable Entrepreneurship This course will focus on the exploration of entrepreneurship through an analysis of case studies within a variety of entrepreneurial contexts. It will address modern aspects of entrepreneurship such as sustainability, ethics, social innovation, gender and globalization. The context in which entrepreneurial activity is explored will include non-for-profit organizations, non-governmental organizations and for-profit ventures. The course expands on the critical role of entrepreneurs and the role that entrepreneurship plays in the local, national and global economy.

MGMT-486 International Marketing for Sustainability Develop knowledge and skills necessary to understand the rapidly developing market for sustainable products and services in the international environment. This involves understanding the key environmental forces shaping consumer needs and preference for sustainable products and services, specific factors in international marketing beyond domestic marketing, and the impact of foreign political and economic factors on companies.
PHIL-115 Social Justice Leadership This course is designed to introduce students to a number of theoretical frameworks in the fields of philosophy, leadership and social justice. Using multiculturalism and social justice as guideposts, the course will help student leaders understand diversity using the central tenets of mentoring, leadership and agency. Through these theories, the concepts of oppression, activism and advocacy will be investigated.

PHIL-122 Resolving Moral Conflicts Investigates problems involved in moral decision making, providing students with a better understanding of what it means to be a good individual, a good family member and a good citizen of the nation and world.

PHIL-125 Justice This introductory course is a philosophical inquiry into the idea of justice. Rather than focusing on personal morality, we will investigate issues of public policy. How ought we, through our laws and institutions, distribute the benefits and burdens of society, income and wealth, duties and rights, powers and opportunities, offices and honors? Philosophical writings, as well as practical issues that illustrate competing theories of justice, will be investigated.

POLI-212 Introduction to Public Policy "Laws are like sausages, it is better not to see them being made", a quote often attributed to Prince Otto von Bismarck. Against this advice, this course focuses on understanding how laws are made. We will examine the policy-making process in the United States and, to a lesser extent, in other countries. Who sets the agenda adopted by politicians and policy-makers? What role(s) are played by private actors in the policy-making process? What factors help or hinder the process of implementing policies? Students will consider all of these questions and focus in depth on a number of current policy debates, including immigration policy, environmental policy, and education policy. This course is intended to provide students with an understanding of the theories explaining how policies are shaped by the political process and a familiarity with the practical tools used by policy-makers to develop and enforce the rules, policies, and laws that we all must follow.

POLI-348 Issues in Democracy This course examines questions related to the effectiveness and efficacy of democratic forms of governance in serving the people. Who should have a role in decision-making? Are most democratic citizens equipped to participate in decision-making? How can democratic institutions facilitate the participation of large and complex groups of people in geographically large and populous countries? In considering such questions, this course looks to both ancient and modern democratic theorists and analyses politics in both the ancient and post-modern worlds. The course may consider debates surrounding the formation of the Athenian Assembly in Ancient Greece or whether democratic accountability is achievable in international and supranational organizations such as the United Nations and the European Union. The course relies heavily on historical and political simulations, such as those that are part of the Reacting to the Past series. The course is intended to invest students in democratic processes by asking them to consider fundamental questions about democracy while acting as democratic citizens.

PPOL-352 Environmental Policy The course will examine the political and policy-making environment, including the relevant institutions and actors, surrounding the creation and implementation of environmental policies. Students will learn the historical background of
environmental policy, the different objectives to be achieved through environmental regulation, the various tools and approaches for achieving those objectives, and some of the current controversies that exist in environmental policy today. The course will also explore differences between how elected leaders, bureaucrats and private actors influence the policy process.

**PSYC-232 Environmental Psychology** The study of how people interact with the environment—both natural and built. Topics covered include environmental perception and cognition; worldviews and attitudes toward nature; impact of environmental factors, such as weather, on behavior and mood; reactions to natural and technological disasters; personal space, territoriality and crowding; and psychological factors in urban planning and in residential, educational and commercial design.

**RELI-235 Environmental Ethics** This course combines religious, philosophical and ecological thought as a means of addressing questions about appropriate ethical responses, actions and attitudes in our relationship with our ecosystems. It covers current utilitarian, deontological and virtue-based religious moral thought to focus on questions about the morality of economic and built-environment infrastructures and resultant cultural sea-shifts that need to take place to enable us to embody an ethical relationship with the environment.

**SOCI-316 Social Justice** Social Justice is a team-taught course focusing on the multiple forms of oppression that occur in any given society. The distribution of various advantages and disadvantages can be affected by capitalistic systems, greed, personal intention, social and/or political agendas, and even compromise. In this course, we will study the changing dynamics of oppression, earned and unearned privileges, and competing ethical and social theories of social justice and their interaction with race, ethnicity, nationality, ability, gender, class and sexuality. Students will have the opportunity to complete social justice projects requiring their collaborative engagement to identify and understand strategies for social transformation in areas as diverse as access to technology, globalization and ethics.

**WRIT-241 Environmental Writing** In this hands-on course students will develop creative writing projects around specific, local, environmentally important/precarious sites. In doing so, students will perform both traditional academic (scientific/historical) and experiential (place-based/creative) research that evolves into works of poetry, fiction, creative non-fiction, or cross-genre work. In this course you will dwell in the space between and including environmental studies and creative writing, developing your own voice and vision as witness to environmental change and trauma.

2) Courses with Sustainability Content (19)

**ANTH-152 Public Culture** This course is an anthropological introduction to public culture in the U.S. It takes public culture to be: a public circulation of sensibilities, identities, dreams, styles, discourses and forms of power; and a way of life enacted and given form in the practices of everyday life and in institutions, laws, social movements, physical and social spaces, and expressive forms. Students will be introduced to key terms and theories in contemporary
anthropology and their application in the study of representation; historical imagination; gender, sexuality and identity politics; and nationalism, citizenship and globalization.

**ANTH-311 Regulating Bodies: Food, Sex, Drugs and the Economy** What is the proper relation between the state and its citizens? Should states merely ensure the basic safety of citizens, or should they somehow promote their well-being? How should decisions about what constitutes safety or well-being be made? Through a study of regulation, this course considers how economics, politics, ethics and aesthetics inform life in modern liberal democracies. We begin by establishing a theoretical framework for our study and then turn to four instances in which states seek to intervene in or regulate the lives of citizens, namely the economy, drugs, food and sex. We will examine issues such as the recent financial meltdown, medical marijuana, food safety and Internet pornography.

**ANTH-413 Race, Ethnicity and Minorities** Focuses on race and ethnic relations in contemporary society and popular understandings of race and ethnicity in the United States. Explores the boundaries and markers for membership in an ethnic, racial or minority group. Specifically, this course regards race as a social construct that has significance for structural opportunities, experiences, worldviews, and conceptions of self and others. The course investigates the designations "race," "ethnicity" and "minorities," and locates them in foundational and current tensions concerning power and identity.

**BIOL-010 Issues in Biology** Emphasizes analysis of biological problems relevant to the human experience and presents basic biological concepts in a variety of contexts. Subject matter might include medicine, environmental issues, ecology, molecular biology, physiology and others.

**COMM-201 Ethics and Leadership** Uses case studies to examine the types of ethical challenges that face professional communicators across a variety of contexts, while requiring students to analyze those situations critically. The role of leadership in navigating ethical dilemmas is highlighted, as are several case studies where ethical questions intersect with diversity-related issues.

**COMM-194 Intercultural Communication** An introduction to contemporary and foundational concepts, practices and processes of intercultural communication. Topics include the complex nature of social and cultural identities; privilege, power and oppression in historical and contemporary society; representations of cultures and identities in popular media; nonverbal codes and cultural space; and the relationship between language and culture. Special emphasis will be on ethical and mindful intercultural communication and social justice.

**ECON-373 Political Economic Thought** Study the writings on political and economic issues from several different writers. The readings will be from a diverse set of writers, with views ranging from politically liberal to politically conservative. This course will examine and analyze these writers’ views on social justice, tax policies, discrimination, socialism and much more.

**ENGL-315 Green Romantics** Readings in prose, poetry and drama from the late 17th century to 1900. Sections may focus on a particular period or range across centuries, and topics vary
according to instructor preference. The texts will be in English but will not necessarily have been composed in Great Britain.

**MGMT-290 Non Profit Management** This is an introductory survey of the nature and function of non-profit organization, including basic legal requirements affecting non-profits, theories and practices for establishing and managing non-profit organizations, designing and assessing operational structures for non-profit organizations, and strategies for inter-organizational relationships.

**PHIL-150 Race, Class and Ethics** Examines ethical theory and practice in connection with the relevant social and political philosophy, focusing on the philosophical issues that arise in everyday life.

**PHIL-221 Applied Ethics** Examines a variety of practical ethical issues and problems using the tools of philosophical analysis and moral theory. Subject area for course changes on a rotating basis and includes ethics of war and peace and environmental ethics.

**PHIL-240 Being Awesome At Life** This course offers a cross-cultural examination of the pursuit of a good human life, and how one learns to live better. In other words, it is about the theory and practice of being awesome at life. We focus on ethical dispositions (skills, habits and virtues) as critical features of ethics, explored through texts from various religious and philosophical figures in English translation, as well film and other media.

**PHYS-100 Introduction to Astronomy** A general overview of astronomy, covering ancient and modern views of the solar system and beyond, out to the farthest reaches of the observable universe. The course focuses on building a basic understanding of the physical laws that dictate celestial motions and the processes behind the birth, evolution, and death of objects within the universe, as well as the universe itself. It is a primary goal to demonstrate how the scientific method works and how science builds a testable, coherent understanding of natural phenomena. Includes a laboratory component where students gain hands-on experience and are actively engaged in the process of scientific inquiry.

**POLI-314 Diversity in American Politics** Studies the many shapes of diversity found in the United States and how this diversity impacts the American political system. Analyzes how different groups have been denied or granted access to the political system and the success or failure of these groups in affecting the political system as voters, candidates and office holders, and in bringing new principles, values and practices into American politics. The theoretical challenges presented by the general concept of diversity will also be examined.

**SOCI-333 Development, Globalization and Society** A study of the relationship between economic development paradigms, institutions and groups in society. The course focuses on international economic relationships, world order, and the resultant social and political conflict. More specifically, this course examines how global economic development policy since the 1960s has influenced relations between states, major institutions, organizations and social groupings in both the developed and developing world.
WMST-100 Introduction to Women's Studies Introduction to Women's Studies focuses on issues relating to women and their lives and the impact that gender has on them. It also considers the topic of intersectionality. Finally, it reflects on the connections between theory (in particular, feminist theory) and practice/activism.

WMST-200 Feminist Philosophy An examination of the various forms of feminist philosophy (e.g., liberal feminism, radical feminism, existential feminism, Marxist/socialist feminism, psychoanalytic feminism, postmodern feminism, ecofeminism, multicultural and global feminism). Emphasizes how feminism differs from common (mis)understandings of it. Some attention is also given to various women in professional philosophy.

WMST-380 Women in Organizations Examines the role of sex and gender in organizations. Special attention is given to topics relevant to women working in organizations, such as sex and gender differences in career/job preferences, advancement and pay, teamwork, leadership, sexuality in the workplace, and work-family balance. Other topics addressed include hostile vs. benevolent sexism, as well as practices designed to increase diversity within organizations.