

SUSTAINABILITY COURSES in the Academic Year 2016/17				
Course I.D.	Title	Department	Level	Description
BIOL 105	Environmental Biology	Biology	UG	A non-biology majors course which provides an introduction to ecological principles and concepts with an examination of the biological basis of contemporary environmental problems.
BUSA 370	Sustainable Entrepreneurship and Innovation	School of Business	UG	This integrative course introduces students to issues related to sustainable new venture creation. It includes topics such as the importance of innovation and creativity in opportunity recognition and the design of sustainable business models, industry/market analysis, resource acquisition and disposition, assessing a venture's financial strength, and ethical legal issues. Students will learn the entrepreneurial process while acknowledging multiple stakeholders and addressing social, economic and environmental concerns.
BUSA 459	Sustainable Business Consulting	School of Business	UG	In this course student teams engage in field-based consulting to analyze actual problem situations involving sustainability for regional businesses.
BIOL 401	Ecology	Biology	UG	Emphasis is placed on the structure, composition, and dynamics of ecosystems. Lab work primarily consists of field studies.
ECON 315	Economics of Sustainable Development	School of Business	UG	Economic causes and effects of pollution are discussed along with the issue of sustainable economic development. Government policy with respect to the environment and renewable energy will be surveyed. The framework connection between sustainability and the core functions of business for profit will be presented.
EGEO 100	Environmental Geology	Geography, Geology, and the Environment	UG	The course examines problems of mineral, energy and water resources, waste disposal, soils and health, geologic hazards, and land use. Resources are the common property of all people. Sustainable use of resources is poised by equitable distribution of cost and benefits among diverse peoples.
EGEO 131	Oceanography	Geography, Geology, and the Environment	UG	Introduction to the physical, chemical and biological aspects of the marine environment.
EGEO 340	Air Pollution Meteorology	Geography, Geology, and the Environment	UG	A study of meteorological parameters of air pollution concentration, dispersion, and removal. Includes air pollution forecasting and modeling.
ENGL 410	Literature of the Environment	English	UG	Encourage those interested in the rhetoric of science, nature writing, and environmentalism to pose informed questions regarding the language, rhetoric, images, and ideas found in significant poetry and prose, fiction and nonfiction, that concern the environment.
ENVS 440	Science, Technology and the Environment	Geography, Geology, and the Environment	UG	A scientific study of interactions of global systems in the geosphere and biosphere. Selected global problems, such as waste production and disposal, energy use, atmospheric warming, ozone depletion, and acid deposition are analyzed along with possible alternatives.
GES 135	Introduction to Environmental Problems	Geography, Geology, and the Environment	UG	An introduction to some of the more crucial environmental problems and alternative solutions that are available.
GES 215	Planning for Sustainable Communities	Geography, Geology, and the Environment	UG	An introduction to methods for enhancing sustainability in social and physical planning for rural areas, towns, and cities.
GES 235	Conservation	Geography, Geology, and the Environment	UG	An examination of the earth's complex resource base which places special emphasis on the geographic location of resources and on conservation/preservation practices.
GES 324	Environmental Law and Policy	Geography, Geology, and the Environment	UG	The study of political control of the environment. Focus on the roles played by individuals and groups.
GES 344	Environmental Justice	Geography, Geology, and the Environment	UG	This course will teach students to evaluate situations as just or unjust according to well-understood principles of environmental justice. Students will apply this analysis to important environmental justice topics such as unequal distribution of environmental harms and resources, treatment of indigenous people, animal and ecosystem rights and international environmental negotiations.
GES 355	Earth's Changing Climate	Geography, Geology, and the Environment	UG	This course examines the interrelationship between climate and human activities. We will study the processes that control Earth's climate with a focus on the flow of energy through the Earth system and a study of the interactions between the atmosphere, the ocean, and the land surface. We will investigate climate change on a variable time scales with a focus on how climate affects humans and the environment. Further, we will examine which factors influence society's decision in response to climate change.
GES 356	Earth's Changing Climate Laboratory	Geography, Geology, and the Environment	UG	This course examines Earth's climate changes through an investigation of climate data and climate models. We will investigate climate change on variable time scales and in different geographic regions with a quantitative focus.
GES 362	Principles of Sustainability	Geography, Geology, and the Environment	UG	This course explores the history of the sustainability movement, and the current and emerging science and practices of sustainability. Students will also be introduced to the research tools and methods needed to evaluate the sustainability of energy systems, technology, the built environment and environmental regulations and policy.
GES 444	World Environmental Thought	Geography, Geology, and the Environment	UG	Students will explore and evaluate geographic and environmental ideas from western and non-western cultures.
HEMT 114	Sustainability in the Hospitality Industry	Hospitality, Event Management and Tourism	UG	Students in this course will discuss the economic, environmental and social sustainability challenges facing the hospitality industry. Ideas, solutions and strategies of sustainability will be explored as they apply to the management of sustainable operations.
HEMT 210	Ecotourism	Hospitality, Event Management and Tourism	UG	This course provides a comprehensive introduction to the field of ecotourism. Class sessions will focus on a variety of topics including sustainability and its application to the tourism industry. Students will gain familiarity with environmental policies and ecotourism certifications, as well as management challenges and impacts from tourism. Students will apply this information to case study research focused on a variety of tourism destinations, ranging from coastal and mountain resorts to historical and cultural sites.
HEMT 314	Sustainable Planning for Tourism	Hospitality, Event Management and Tourism	UG	This course is designed to develop an understanding of how sustainable planning can reduce the negative impacts and maximize the benefits of the tourism industry. Students will research and evaluate the social, environmental and economic impacts of a variety of tourist destinations. Analyses of the sites will be followed by formulating proposals to address key issues.
ISE382	Sustainable Processes	Physics and Engineering	UG	Exploration of the scientific and legal progress in sustainability. Students will learn both the theory of sustainability as well as how sustainable processes can be implemented through an organization.
MGMT 620	Supply Chain Management	School of Business	G	In Supply Chain Management we study the design and management of integrated processes and flows of goods, services and information across organizational boundaries to meet the needs of the end customer in a sustainable way while lowering cost. We study examples related to manufacturing and service environments in an integrative, interdisciplinary fashion. We focus on solving problems on the strategy, planning, logistics and operation of multi-facility supply chains networks with emphasis on current technologies, concepts, philosophies, managerial practices, the impact of globalization on supply chain networks, recent trends in designing sustainable supply chains and managing in unpredictable environments.
PHIL324	Environmental Ethics	Philosophy	UG	An analysis of environmental issues using a philosophical understanding of nature, with a consideration of the ethical responsibilities in the use of the earth's resources, behavior toward non-human species, and obligations toward future generations.
PREE 104	Foundations in Sustainability	Parks and Recreation Environmental Education	UG	This course will provide a foundation of basic concepts associated with environmental and its associated cultural sustainability. Emphasis will be placed on the interdependence of our natural resources to achieve sustainability in a cultural context. Course development will move from individual environmental ethics and personal actions to civic responsibility and global perceptions.
PREE 111	Introduction to Park and Resource Management	Parks and Recreation Environmental Education	UG	This course is a sequel to Foundations of Parks and Recreation and will continue to examine the historical and philosophical background of the leisure movement with regard to recreation organizations and services. Professional preparation in relation to perceived and actual needs concerning risk management, research and evaluation, information technology, ecological considerations and sustainable planning and management practices in the parks and recreation field will also be explored.
PREE 348	Natural History of Ecosystems I	Parks and Recreation Environmental Education	UG	This field oriented course is designed to integrate basic scientific inquiry and ecological field techniques to develop skills in analysis, synthesis and evaluation of scientific information for the purpose of environmental and resource management. Results of field investigations are then applied to relevant ecological problems and management objectives for the purpose of environmental decision making.
PREE 617	Terrestrial Systems	Parks and Recreation Environmental Education	G	This course focuses on resource management, sustainability and educational teaching techniques as they apply to terrestrial systems. Emphasis will be placed on forests, endangered systems, and the development of associated natural history skills. The course includes training in Project Learning Tree.
PREE 654	Natural and Cultural Resources Law	Parks and Recreation Environmental Education	G	Provides students with advanced knowledge of public land laws regarding natural and cultural resources. Topics of study include history and associated laws concerning water, mineral, timber, range, wildlife, recreation, and cultural resources.
PREE 680	Environmental Education	Parks and Recreation Environmental Education	G	A study of the history, philosophy, and theory of environmental education; problems and trends in environmental education; and relationships of environmental education to the total school program.
PREE 681	Environmental Issues	Parks and Recreation Environmental Education	G	A course designed to develop skills in the identification, investigation, evaluation, and solution of environmental problems and issues. Students will learn how to use these skills, in formal and non-formal educational situations, in the development of an environmentally literate citizenry.
PREE 673	Ecosystem Ecology	Parks and Recreation Environmental Education	G	This course examines the principles and practices of ecosystem management. An examination of the ecological concepts and processes that underlie ecosystem integrity is followed by an analysis of the role of humans in shaping and managing ecosystems, including institutional and socioeconomic considerations.
SAFE478	Environmental Permitting and Sustainability	Safety and Environmental Management	UG	This course examines the role of Safety Management in assessment of environmental regulations and permitting and application of sustainability practices.

COURSES that INCLUDE Sustainability Components in the Academic Year 2016/17

Course I.D.	Title	Department	Level	Description
ACCT341	Legal Environment of Business II	School of Business	UG	An analysis of complex transactions including mergers and acquisitions, antitrust law, financial instruments, intellectual property, bankruptcy, environmental, estate and international law. (Focus on environmental law)
ART 100	2-D Design	ART	UG	An introductory studio course examining the underlying structure of basic design in two-dimensional art. Students will be involved in the actual production of two-dimensional design solutions. The history of design is explored, as well as the various techniques employed by artists to express personal visions, communicate ideas or examine and interpret the human experience. <i>Recycling, re-purposing and re-using materials is addressed.</i>
ART 107	Basic Studio Photography	ART	UG	This course will provide students with introductory level photographic knowledge and skills, emphasizing fine art approaches. Photography will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals. The elements and principles of design will be incorporated into the study of photography, with focus on formal, technical and conceptual relationships. Critical thinking will be addressed with each project, allowing students to improve their ability to visually analyze artwork. <i>Assignments specifically related to our relationship with the Earth and sustainability are given.</i>
ART 206	Intermediate Studio Painting	ART	UG	The student will explore Painting with an increased level of production, critique, history and aesthetics. Students will explore how to work with the fine art medium of paint through process and production, including art history and discussion. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. <i>Recycling of materials is discussed and recycled materials are utilized.</i>
ART 207	Intermediate Studio Photography	ART	UG	The student will explore Photography with an increased level of production, critique, history and aesthetics. Student will continue to develop photographic knowledge and skills, emphasizing fine art approaches. Students will review fundamental technical and conceptual information necessary to further the creation of fine art photographs. Primary emphasis will be placed on technical refinement alongside development of creative problem-solving skills. <i>Assignments specifically related to our relationship with the Earth and sustainability are given.</i>
ART 306	Advanced Studio Painting	ART	UG	A continuation of art synthesis courses which provide an expanded range of approaches to the solution of advanced studio problems. This course provides student options in working with painting. <i>Recycling of materials is discussed and recycled materials are utilized.</i>
ART 307	Advanced Studio Photography	ART	UG	A continuation of art synthesis courses which provide an expanded range of approaches to the solution of advanced studio problems. This course provides student options in working with photography. <i>Assignments specifically related to our relationship with the Earth and sustainability are given.</i>
BIOL 102	Human Biology	Biology	UG	This non-biology majors course considers the human as a whole organism, with emphasis on the interrelationships of organ systems, the relationship to the environment, and human origins and genetics.
BIOL 104	Principles of Biology/Lab	Biology	UG	A laboratory and lecture course that emphasizes basic biological principles to prepare students for subsequent sequential courses required of biology majors. <i>Climate change and extinction of organisms is discussed.</i>
BIOL 201	General Botany/Lab	Biology	UG	Basic biochemical, morphological, and physiological aspects of plant biology as they relate to evolution. <i>Extinction of groups of plants and algae are discussed; organisms that function of indicators of change in the environment are discussed.</i>
BIOL 212	General Zoology/Lab	Biology	UG	The anatomy, physiology, ecology, and economic importance of representative animals with emphasis on the understanding of development and the evolutionary blueprint of the animal kingdom.
BIOL 305	Wetlands and Aquatic Plants/Lab	Biology	UG	This course deals with the identification and quantification of phytoplankton and vascular hydrophytes, with emphasis placed on the productivity of aquatic plants and their importance as indicator organisms. <i>Determine the quality of campus wetlands. Examine whether a local treatment wetlands remove pollutants. Role of wetlands in maintaining biogeochemical cycles.</i>
BIOL 306	Freshwater Biomonitoring/Lab	Biology	UG	This course covers the identification and function of fish, zooplankton, and benthos organisms, with emphasis placed on the productivity of aquatic animals and their importance as indicator organisms. <i>Use of aquatic organisms to monitor water quality. Best practices for reducing water pollution.</i>
BIOL 350	Evolution	Biology	UG	Stresses evolution as a process. Evidence of organic evolution, population genetics and ecology, modern synthetic theory, speciation, phylogeny, and the major features characteristic of organic evolution are included. <i>We address the concepts of extinction including population modeling and applications to conservation.</i>
BUSA 303	Issues in Global Business	School of Business	UG	This course will focus on fundamental issues in the modern globalization of business. The topics covered will include the cultural environments in which business work, politics and law in global business, economic integration, global trade and investment, global finance, global operations and managing global businesses. A special emphasis will be placed on the challenges and opportunities presented to global businesses by the social, political and economic diversity encountered in the global marketplace. <i>The most common ethical issues in international business involve: employment practices, human rights, environmental pollution, corruption, and moral obligations. All of these ethical issues directly address sustainability. A separate module is also covered that covers the definition of sustainability, the triple bottom line, and the stakeholder approach to corporate decision making.</i>
COMM 231	Introduction to Public Relations and IMC	Communication	UG	This course seeks to introduce public relations students to the history, role, context of public relations, and the process through which public relations professionals establish and maintain lines of communication between an organization and its publics. As such, the course examines the nature of public opinion, methods of audience analysis, message design, and engages in skill development relevant to the professional practice of the public relations. <i>Course includes discussion of corporate social responsibility.</i>
COMM 631	Strategic Corporate Communication	Communication	G	In-depth analysis of the principles and practices of strategic corporate communication. Focus on developing strategic communication plans, dealing effectively with the media, and communicating corporate ethics. Additional topics include investor and financial stakeholder relations, employee relations, crisis communication, corporate citizenship and business applications of social media. <i>Course includes discussion of corporate social responsibility.</i>
DANC300	Dance Composition II	Dance	UG	This second level of dance composition will include creating choreography based on specific forms of movement and music, emotion oriented and movement oriented dances, dances utilizing props and sets, and site-specific dance. <i>Student do site specific choreography challenges and work within the natural environment.</i>
DANC425	Senior Synthesis	Dance	UG	Advanced level research, writing, and philosophical aspects of the dance, aesthetics, production, and presentation of the student's senior project (to be determined by the student and faculty). Discussions will lead to the development, production, and an art form will be the basis of this course. Practical experiences in resume and grant writing, graduate school applications, interviews, and career planning will be covered. <i>Students engage in "Water Project" and choreograph a dance within the natural environment.</i>
EGEO 121	Meteorology/Lab	Geography, Geology, and the Environment	UG	Introduction to principles controlling weather and their effect on people and the environment. <i>Includes material on air pollution and climate change.</i>
EGEO 360	Introduction to Hydrology/Lab	Geography, Geology, and the Environment	UG	A study of the occurrence and movement of water and human's effect on this basic resource. <i>Includes material on sustainable water and land use management.</i>
ELEC100	Early Childhood Education Theory and Practice	Elementary Education/Early Childhood Education	UG	This course is designed to introduce students to early childhood education with emphasis on historical and contemporary perspectives, theories, practice, and current trends and developments. Early childhood environments for children from birth through nine years of age will be studied and various curricula materials will be reviewed. Examination of the student's personal qualities in relationship to expectations of the field is addressed throughout the course (COE assessment of dispositions). Students will be exposed to children within a variety of early childhood settings via videotaped observations of children and classrooms. (One topic covered is the green school movement.)
ENGL 102	Critical Writing	English	UG	Students will develop a full understanding of rhetorical principles, including invention, organization, and audience, along with strategies for revising and editing their prose that emphasize clarity, coherence, support, and the standards of edited American English. They will learn to develop positions on selected issues and questions and compose strongly supported and reasoned arguments regarding those issues and questions. Finally, they will learn basic information literacy skills, which will include how to locate, evaluate, and incorporate a variety of sources into their writing. They will use these to conduct independent research and integrate it into a written essay. <i>Includes component with focus on environmental impact of industrialization and other aspects of social responsibility.</i>
ENGL104	Critical Reading	English	UG	Critical Reading will refine and extend students' understanding of the rhetorical principles introduced in Critical Writing, applying them specifically to the critical reading and analysis of complex texts. The texts to be considered will be drawn from a variety of media, genres, historical periods and diverse cultures. Students will examine the methods authors use in developing and expressing ideas to meet the needs of particular audiences and historical moments. Extracting implied meanings, analyzing purpose, tone and style, assessing causal factors and rhetorical effects are keys to critical reading. As a reading intensive course, English 104 will reinforce and refine compositional skills introduced in Critical Writing. (This course includes readings from Norton Book of Nature Writing.)
ENGL 403	Literary and Cultural Theory	English	UG	Selected literary and cultural theory from Plato to the present day, with application to critical analysis of literary arts. <i>Components on post-colonialism, ecocriticism, animal studies as new directions for literary theory.</i>
ENGL603	Literary and Cultural Theory	English	G	This course will introduce students to the history and range of methods used and genres produced within the disciplines of literary and cultural studies. Students will study the history and development of journalistic and academic genres of literary criticism; the expansion of interdisciplinary applications of theory to analysis of literary and cultural texts; new forms of "distant" reading, through data mining and related collaboration with the computer sciences; intersections of literary and cultural analysis with the cognitive neurosciences and other scientific fields; and the persistence of oral analysis in subfields of criticism and creative writing. <i>Includes a module on ecocriticism.</i>
GES 100	Discover Geography	Geography, Geology, and the Environment	UG	An introductory course that surveys the field of geography and demonstrates the relevance of basic geographic concepts and methodologies. <i>Includes material on climate change, climate change impacts and mitigation strategies. Population growth and consequences/challenges are covered as well.</i>
GES 150	The Natural Environment	Geography, Geology, and the Environment	UG	An introduction to interrelationships among the physical elements of the environment, including the study of weather, climates, vegetation, soils and landforms. <i>Includes material on climate change.</i>
GES 302	Cultural Geography	Geography, Geology, and the Environment	UG	This course explores basic environmental and spatial approaches in the field of cultural geography. These approaches include cultural ecology, cultural history, cultural diffusion, cultural region, cultural integration and symbolism, and the cultural landscape. <i>In Cultural Geography, we examine how cultural processes influence human relationships with the natural environment, and consider the role of cultural differences in debates over environmental policy.</i>
GES 307	Australia	Geography, Geology, and the Environment	UG	This course will introduce students to the environments and peoples of Australia. Australia's natural environment, Aboriginal and white culture, economy, politics, and major current public issues will be covered.
HEMT415	Challenges and Trends in Hospitality, Event Management and Tourism	Hospitality, Event Management and Tourism	UG	An integrative course for detailed study of current issues in hospitality, event management and tourism with emphasis on unique and imaginative solutions to the challenges facing the hospitality and tourism profession. <i>(One unit on sustainable tourism. Student presentations may feature environmental and social issues arising from tourism.)</i>
HIST 344	The American City	History	UG	This course explores the history of American cities from the colonial period through the present day, with particular emphasis on the late 19th and 20th centuries. Examines the formation and evolution of the physical urban environment; the city as a site of race, class, and ethnic interactions; urban political, economic, and cultural evolution; transportation and suburbanization; and the consequences of the "urban crisis" of post-World War II era. <i>Issues of sanitation, energy use and building methods is discussed.</i>
HLTH 210	Introduction to Public Health	Public Health & Social Work Department	UG	Provides a broad foundation of information related to the structure and functioning of the community health system including the identification and examination of programs, providers, and current problems associated with the delivery of health services. <i>This course has one chapter on Environmental Health in which we define and discuss sustainability in relationship to having a healthy environment and lifestyle. During this unit, we held a mock Town Hall meeting about the pros and cons of fracking.</i>
HLTH 310	Environmental Health	Public Health & Social Work Department	UG	Explores the ecologic, economic, ethical, toxicologic and epidemiologic bases for environmental health both globally and within the community setting. Emphasizes the relationship between biological, physical and chemical agents and disease/injury causation and the role of government. <i>This course includes many areas related to sustainability and Public Health. We have a class debate on the pros and cons of sustainability. We held an Earth Day festival in the Quad every April.</i>
HLTH 311	International Health	Public Health & Social Work Department	UG	Examines significant health problems affecting populations in various areas of the world. Provides opportunities to understand approaches to health from different cultural perspectives and focusing on the integration of disease patterns in peoples within specific geographic areas. Emphasizes interdisciplinary perspectives on how cultural diversity relates to us and the world community. <i>This course addresses global sustainability, and the responsibility of all nations to maintain a health-promoting environment.</i>
HLTH 314	Nutrition and Health	Public Health & Social Work Department	UG	Examines basic scientific principles of nutrition, specifically all major nutrient classes in terms of functions, food sources, and adequate intakes along with sensitivity to diverse needs throughout the life cycle. Emphasizes interdisciplinary perspectives on how cultural diversity relates to food choices and how unique ethnic health challenges influence dietary needs. <i>This course discusses the importance of trying to buy foods that are grown locally with little or no chemicals which may be harmful to our environment and our health. The class is encouraged to shop at the local Slippery Rock Farmer's Market for class points.</i>
INDP 103	Contemporary Social Problems	Interdisciplinary Programs Department	UG	An analysis of major social problems confronting modern society, with particular focus on domestic and global population shifts, resource development/conservation/allocation/management, changing global governance, introduction of nano and other technological advances, information flow, shifts in conflict resolution, and global economic integration. <i>This includes the impact of issues faced in contemporary society such as the environment, quality of life issues and changes in society.</i>
INDP 120	Civic Engagement and Community Decision-Making	Interdisciplinary Programs Department	UG	An introduction to the policy making process at the community level and the role each citizen plays in the formation and modification of those policies. Students will gain introductory skills in policy analysis, street level politics, and community organizing for social change that creates more livable and sustainable communities.
INDP 220	Introduction to Nonprofit Leadership	Interdisciplinary Programs Department	UG	An introduction to the nonprofit sector; emphasis on leadership and decision-making in rapidly growing areas of health and human service, cultural, environmental, educational, charitable, and religious organizations. <i>Students create a comprehensive plan for a nonprofit they would like to launch that create more humane, livable and sustainable communities.</i>
INDP226	Population and Society	Interdisciplinary Programs Department	UG	Sociological/anthropological analysis of selected population trends, problems and controversies in the contemporary world-both literate and non-literate.
INDP 304	Urban Sociology	Interdisciplinary Programs Department	UG	Sociological aspects of urban life. Includes metropolitan areas and small cities. <i>Structural and cultural development, decline and transformation of urban life are considered. Focus on urban issues like inequality, the environment, and crime.</i>
INDP 320	Community Change and Development	Interdisciplinary Programs Department	UG	This course surveys the field of community development within the context of community collaboration and civic leadership. Topics include social capital, asset-based community development, sustainable community programs, economic development programs, private/public partnerships, and the shared role of the private, public, nonprofit sectors and everyday citizens in community development.
MGMT 320	Operations Management I	School of Business	UG	Operations strategy and competition, production systems and processes, decision analysis and graphical linear programming, quality management and process control, facility location and layout, work methods and measurement, inventory management and project evaluation review technique (PERT). <i>Chapter on Sustainability entitled: "Sustainability in the Supply Chain"</i>
MGMT 456	Management and Society	School of Business	UG	This course will engage students in exploring the social, ethical, environmental, economic, and political/legal restraints on organizational decision-making that managers face today. Students will develop critical thinking, communication and managerial skills necessary to be effective in a business world, where multiple stakeholder interests must be addressed.
MGMT 460	Training and Development	School of Business	UG	Training and development as a human resource management function supporting organizational strategic planning including: training needs analysis, training program objectives, training methods, management and organization development methods, program evaluation and cost-benefit analysis, and training budgeting. <i>Current trends in training and development will be covered including computer based training, competency based training and cross cultural training. Chapter on Sustainability entitled: "Training for Sustainability."</i>
MIS 365	Management Information Systems	School of Business	UG	Managerial and technological issues that are necessary to understand, establish, manage and use information systems in all functional areas of organizations. <i>Discussion of green computing; students researched the cost of energy based on the technology equipment that an average-size business would own and calculated how a company could save energy along with some of its overhead. Triple bottom line was covered as well.</i>
PE241	Outdoor Pursuits	Physical and Health Education	UG	This course is designed to introduce the student majoring in physical education teacher education to the varied but interrelated topics of outdoor pursuits, adventure programming, experiential education, and new games philosophy as they relate to physical education and recreation programming. The course will provide physical activity, direct experience, and leadership techniques in adventure challenges which require self-discipline, a willingness to try, and personal commitment. A weekend overnight backpacking/camping experience is required. This is a Theory and Technique Course (open to Physical Education majors only).
PE342	Wellness through Movement	Physical and Health Education	UG	This course is designed to provide the student with scientifically based knowledge concerning the benefits of physical activity along with the consequences associated with a lack of physical activity both on a personal and societal level. Students will participate in application of physical activity training, health-related fitness assessments and lifestyle modification activities.
PHIL325	Medical/Health Care Ethics	Philosophy	UG	A course in applied ethics about conceptual, ethical, and legal dilemmas in the institutional rights of patients, in the responsibilities of practitioners, in technological challenges to values in the modern age in caring for the seriously ill and the dying, and in rationing health care in a large society. (covers issues related to population.)
PHIL 326	Business Ethics	Philosophy	UG	A study of applied ethics about the conceptual and ethical dilemmas in the business professions. An examination of cultural challenges to social and moral responsibility in a technically sophisticated economic climate. <i>The ethics of sustainable business practices is examined in relation to the priority given to profit in the business environment.</i>
PREE 210	Resources for Outdoor Programming	Parks and Recreation Environmental Education	UG	The outdoors was the first classroom and many lessons are still taught in and for the outdoors. This course is designed to provide anyone working in a recreational or park setting with methods and materials to use to achieve a variety of educational and recreational goals. Emphasis will be placed on identifying and using existing instructional materials, in addition to developing personal materials and lessons for outdoor programming. <i>We discuss various methods for teaching sustainable practices such as Leave No Trace Principles.</i>
PREE 477	Wildlife & Wildlands Field Methods and Management	Parks and Recreation Environmental Education	UG	Course will cover the application of natural history and ecological concepts as it related to parks, other public lands and environmental education. Emphasis is placed on project development, problem solving and critical thinking skills as they relate to resource management. <i>This course focuses on sustainable wildlife management practices and includes a research component at Maurice K Goddard State Park.</i>
PREE 618	Wildlife Education	Parks and Recreation Environmental Education	G	This course provides an overview of wildlife and associated teaching techniques. Emphasis will be placed on current issues in conservation, management and identification. Topics will include ornithology and mammalogy. Students will utilize field studies and hands-on, problem solving activities. This course will include training in Project Wild and other associated teaching aids.
PSYC205	Environmental Psychology	Psychology	UG	Man's interference with the environment; including over-population, isolation, social institutions as environmental stressors, noise, housing, community design, behavioral effects of pollutants and behavior genetics.