

Undergraduate Sustainability Courses Offered at UNCP

Department Name	Course #	Course Description	When Offered
American Indian Studies	AIS: 2410	AIS 2410. Environmental Literature (ENG 2410) (3 credits) Survey of Indigenous and multinational environmental literature and its relationship to race, class, gender, sexuality, and/or dis/ability, attentive to local human and ecological communities. Variety of authors and genres. PREREQ: "C" grade or better in ENG 1050.	Varies
Biology/ Environmental Science	ENV: 1100	ENV 1100. Environmental Science (3 credits) A study of environmental science emphasizing the impact that an increasing human population has on the biosphere. The course deals specifically with the demands placed by humans on natural resources and the resulting acceleration of environmental deterioration, human attitudes toward the environment, and techniques and policies by which resources could be intelligently managed. Does not fulfill a BIO elective. Lecture.	Every fall & spring semester
	ENV: 2450	ENV 2450. Principles of Sustainable Agriculture (4 credits) This course will explore the characteristics of a sustainable food system. It will discuss the challenges of balancing food production with preservation of ecological resources and promoting integrated livable communities. Case studies will be used to analyze integrated farming systems that illustrate multiple concepts of sustainable agriculture. The associated lab will include visits to local farms, food distribution centers, and films. Does not fulfill a BIO elective. Lecture and Laboratory	Every other fall semester
	ENV: 4100	ENV 4100. Environmental Laws and Regulations (3 credits) An overview of major federal and state environmental legislation. Topics covered will include agriculture, air and water pollution, hazardous waste, wetlands, endangered species, multiple use management, the governmental agencies responsible for administering/enforcing these laws, and private environmental organizations that affect policy decisions. Lecture	Every Fall semester
	BIO: 3040	BIO 3040. Principles of Ecology (4 credits) An analysis of the interactions of organisms with each other and the physical environment. Ecological process is examined at individual, community, and ecosystem levels. The basic kinds of ecosystems are surveyed. Lecture and Laboratory. PREREQ: BIO 1000.	Every fall and spring semester

	BIO: 4320	BIO 4320. Conservation Biology (4 credits) The science of conserving the Earth's biodiversity. This course will examine mankind's impact on species, populations, and habitats. The role of government and the private sector in conservation will be discussed. Emphasis will be placed on defining the problems and identifying scientific solutions, based on ecological principles and case studies. Lecture and Laboratory. PREREQ: BIO 1000, 1010, 1020.	Every fall semester
School of Business	MGT: 4310	MGT 4310. Sustainability and Corporate Social Responsibility (3 credits) This course combines two increasingly important streams of management responsibilities: sustainability and social responsibility. It requires students to examine the challenges of implementing sustainability in a variety of contexts from the perspectives of climate change, energy use, natural resource use, and ecosystems/land use, as well as introduces them to the concepts of corporate social responsibility, which expands corporate focus from serving stockholders to considering the impact of the firm's activities on diverse stakeholders.	Varies
English, Foreign Languages, and Theatre Department	ENG: 2410	ENG 2410. Environmental Literature (AIS 2410) (3 credits) Survey of Indigenous and multinational environmental literature and its relationship to race, class, gender, sexuality, and/or dis/ability, attentive to local human and ecological communities. Variety of authors and genres. PREREQ: "C" grade or better in ENG 1050	Once per year,
Geology/ Geography	GLY: 2620	GLY 2620. Environmental geology (GGY 2620) (3 credits) Aspects of geology related to problems arising from intensive use of the earth by modern society. The use of earth materials, energy resources and groundwater will be considered along with land use planning. PREREQ: GLY 1000 or GLY 1150.	
	GGY: 3290	GGY 3290. Society and the Environment (3 credits) A study of the social aspects of the natural environment. Environmental factors influencing societal development, and ideological conceptions which relate people to their surroundings are explored. The interdependence of culture and physical resources is stressed.	
Philosophy and Religion	PHI: 3300	PHI 3300. Environmental Ethics (3 credits) Ethical issues related to such topics as climate change, overpopulation, animal rights, future generations, and pollution will be explored.	Varies
Political Science and Public Administration	PLS: 4225	PLS 4225. Environmental Politics and Policy (3 credits) An analysis of environmentalism as a political phenomenon. Examines controversial political issues about environmental matters and analyzes the impacts of these issues on the formulation and implementation of governmental policies and regulations	Every other spring semester

Graduate Sustainability Courses Offered at UNCP

Department Name	Course #	Course Description	When Offered
MA Science Education	Bio 5120	BIO 5120. Topics in Ecology and Environmental Biology (3 credits) Students will become cognizant of the principles of ecology and environmental biology through analysis of the interactions of organisms with each other and their interactions with the physical environment. The impact of humans and human systems on the natural world will be examined The interaction of ecological, geological and human processes is examined at regional, national, and global scales. Human management of fragmented landscapes will be discussed. Certain topics may be emphasized according to the expertise of the instructor.	Once a year
	Bio 5770	BIO 5770. Science in the Natural Environment (3 credits) An overview of the study of the natural environment and environmental education methods for science professionals and science educators, including design of and participation in experiential learning programs that emphasize environmental and nature studies. The use of Geographic Information Systems (GIS) for the biological and environmental sciences is emphasized as students create maps, analyze spatial data, and create their own data from field observations. An emphasis is placed on wetland -related topics.	Once a year
	CHM 5420	CHM 5420. Environmental Chemistry: Water Chemistry (3 credits) A study of water in our environment and our daily lives focusing on human interactions with water. Field trips allow first- hand experience with some of the issues covered. PREREQ: General Chemistry (CHM 1300 or equivalent); one semester of Organic Chemistry and General Biology recommended	Once per year
MA Public Administration	EMG: 5160	EMG 5160. Sustainability and Hazard Resilience (3 credits) This course will address the issues, strategies, and techniques related to sustainable disaster planning and hazard mitigation. Of special interest will be the linkages between planning, mitigation, and the building of hazard resilient communities. Federal policy initiatives, local initiatives, and the planning tools and techniques in relation to these will be explored	

	EMG 5800	EMG 5800. Disaster Recovery and Sustainability (3 credits) This course deals with the complex political, social, and administrative process of disaster recovery. The emergent concept of sustainable recovery will be explored in the context of the other components of emergency management, federal and state recovery assistance processes, pre-event recovery planning, and other forms of community planning, long-term restoration planning, and hazard mitigation planning. The course will employ a variety of instructional approaches using existing cases, scenarios, and recovery exercises.	Spring semester
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