

Undergraduate Courses with Sustainability Content Offered at UNCP

Department Name	Course #	Course Description	When Offered
American Indian Studies	AIS: 1010	AIS 1010. Introduction to American Indian Studies (3 credits) An introduction to the study of American Indian history and culture. It will examine the issues and forces, past and present, affecting the lives of American Indian peoples.	Varies
	AIS: 2010	AIS 2010. American Indian Cultures (3 credits) An introductory survey of American Indian cultural traditions through the study of film, art, oral and written literature, music, and religion	Varies
	AIS: 2390	AIS 2390. American Indian Education (3 credits) A study of the history of Indian education policy and practice in the United States focusing on traditional tribal methods as well as contemporary federal, state, and tribal programs.	Varies
	AIS: 3600	AIS 3600. History and Culture of the Lumbee (3 credits) A study of the history and culture of the Lumbee Indians, the largest tribal group east of the Mississippi. While the focus will be primarily historical, all facets of Lumbee culture will be treated including the economic, political, and religious structure of the people as well as artistic and literary accomplishments.	Varies
	AIS: 3950	AIS 3950. Archaeology in North Carolina (3 credits) This course approaches archaeology as a way to learn about human beings. Special emphasis will be placed on prehistoric Indian cultures of North Carolina, and especially those of Robeson County. Topics will include: application of archaeology to present day issues; recovering and caring for archaeological materials; stages of Indian prehistory; theoretical and practical issues which face the archaeologist; etc. AIS	Varies
	AIS: 4020	AIS 4020. Federal Policy and the American Indian (3 credits) A study of federal Indian policy from the Colonial period to the present. PREREQ: Permission of the instructor.	Varies
	AIS: 4040	AIS 4040. Field Methods in Archaeology (3 credits) In this course students will perfect proper use of field methods and techniques in archaeology. Topics will include site reconnaissance, systematic sampling of surface and sub- surface materials, excavation, and record keeping.	Varies
	AIS: 4050	AIS 4050. Contemporary Issues of American Indians (3 credits) This seminar- style course examines the principal issues of concern to American Indians in the twentieth century. Both national and local in scope, topics include:	Varies

		politics; economics; treaty relationships with federal and state governments; education; alcohol and substance abuse; the environment; cultural identity and survival; relation with non-Indians; religious freedom; land and water rights; tribal sovereignty; and other contemporary issues as they arise.	
AIS: 4250		AIS 4250. American Indian Women (3 credits) This course will examine some of the historical, anthropological, sociological, and literary writings by and/or about American Indian women.	Varies
AIS: 4520		AIS 4520. Meso-America Before European Contact (3 credits) To acquaint the advanced student with the diversity of the Meso-American Indian cultures as they existed in Central America prior to the arrival of Europeans, using historical, literary and archaeological materials to disclose their advanced cultural developments, to examine critically some of the romantic myths and negative stereotypes surrounding the Meso-American Indians, and to better understand our own 21st Century views of Meso-American Indian cultures.	Varies
AISS: 2XXX		AISS 2xxx. Special Topics in American Indian Studies (1-3 credits) Selected topics in American Indian studies	Varies
AISS: 4XXX		AISS 4xxx. Special Topics in American Indian Studies (1-3 credits) Investigations into selected topics in American Indian studies through the reading of significant books, discussions, and supplementary reports. PREREQ: Permission of the instructor	Varies
AIS: 2200		AIS 2200. Native American Literature (ENG 2200) (3 credits) A survey of literature produced by Native Americans. The course will cover fiction and poetry, and close attention will be paid to historical contexts and themes central to the understanding of Native American literature. Authors may include Momaday, Silko, Hogan, Vizenor, Welch, and Erdrich. PREREQ: "C" grade or better in ENG 1050.	Varies
AIS: 2170		AIS 2170. North American Indian Art (ART 2170) (3 credits) A survey of indigenous painting, sculpture, and architecture in North American Indians, from about 3000 BCE to the present. Major developments in the visual arts and their cultural contexts will be examined.	Varies
AIS: 3440		AIS 3440. The Native American Novel (ENG 3440) (3 credits) A critical study of the Native American novel from its inception to the present, with emphasis on social, political, and cultural history. Particular attention will be paid to the narrative techniques of these authors with a focus on the relationship between oral traditions and the form of the novel. PREREQ: ENG 3040 or permission of	Varies

	instructor	
AIS: 3470	AIS 3470. Native American Poetry (ENG 3470) (3 credits) A critical study of Native American poetry and poetics, with emphasis on social, political, cultural, and Native national histories. Particular attention will be paid to the techniques of these authors with a focus on the relationship between oral traditions and contemporary poetry. PREREQ: AIS 1010 or AIS/ENG 2200, ENG 3040, or permission of instructor	Varies
AIS: 1100	AIS 1100. History of the American Indian to 1865 (HST 1100) (3 credits) A survey of North American Indian history from arrival in the Western Hemisphere to 1865, with emphasis on intertribal and Euro-American relationships, prominent personages, political and economic developments, and adaptation to White culture	Varies
AIS: 1110	AIS 1110. History of the American Indian since 1865 (HST 1110) (3 credits) A survey of North American Indian history since 1865, with emphasis on intertribal and Euro-American relationships, prominent personages, political and economic developments, and adaptation to White culture	Varies
AIS: 3240	AIS 3240. Indians of Latin America (HST 3850) (3 credits) A study of the history, culture, and contemporary achievement of the Indians residing south of the Rio Grande	Varies
AIS: 3260	AIS 3260. Indians of the Southeast (HST 3260) (3 credits) A thorough examination of the history, culture, interaction, and present condition of the major tribes of southeastern America	Varies
AIS: 2130	AIS 2130. American Indian Religious Traditions (REL 2130) (3 credits) This course is designed as an introduction to the contributions that American Indian religious traditions make to the general study of religion. As such it is a survey of the religious traditions and practices of American Indians	Varies
AIS: 4150	AIS 4150. Amerindian Oral Traditions (REL 4150) (3 credits) An examination of selected American Indian oral narrative traditions emphasizing a religio-literary assessment of mythical, anecdotal, and historical stories	Varies
AIS: 3880	AIS 3880. Native American Populations (SWK 3880/SOC 3880) (3 credits) Using a person-in-environment perspective, the social service delivery system is analyzed within the uniqueness of the cultural parameters of different tribal communities. Laws and regulations that affect social service delivery to Native Americans are viewed. Social problems that are common among Native American groups are also emphasized while equipping students with skills, sensitivities, and a knowledge base	Varies

		necessary to practice generalist social work effectively. PREREQ: SWK 2000 is recommended.	
	AIS: 1050	AIS 1050. Introduction to Cultural Anthropology (SOC 1050) (3 credits) A survey of the various processes and conditions involved in cultural growth and change, including the relation between technology, religion, art, literature, language, and personality development. Emphasis is placed on human ecology and contacts between cultures.	Varies
Art	ART 4330	ART 4330. Contemporary Art (3 credits) An in-depth study of art in the 21st century and related theory. The full range of new media and cutting edge technology utilized by artists will be examined, as well as individual artists who have been instrumental in their development. Major artistic developments and their cultural contexts will be examined. Occasionally includes artists who address sustainability & environment in work	Every fall semester
Biology / Environmental Science	BIO: 2500	BIO 2500. Ornithology (4 credits) This course is designed to familiarize students with the major groupings of birds, basics of flight, adaptations, behavior, and birding “hot spots” in North Carolina. Emphasis will be placed on field identification techniques and habitat associations. Lecture and Laboratory	Every spring semester
	BIO 3025	BIO 3025. Natural History of Costa Rica (3 credits) An introduction to different ecosystems within Costa Rica. Students participate in field trips and excursions to study first-hand the biological complexities of the tropics. Students will experience cultural aspects of Costa Rica, discuss Costa Rica’s conservation ethic and the impact of humans on the environment. Offered in the summer of odd-numbered years; students spend two full weeks in Costa Rica.	Summer of odd numbered years
	BIO: 4100	BIO 4100. Marine Biology (3 credits) A survey of the common organisms associated with tropical marine habitats. Emphasis will be on fish, invertebrates, algae, and birds. Coverage will include discussions of the coral reef, mangrove, and other marine communities, ocean currents, and physical and geological factors. The course includes two weeks of on-campus study followed by one week of field work at the Bermuda Institute of Oceanic Sciences (BIOS). There are additional costs involved in the Bermuda trip. Lecture and Laboratory. PREREQ: BIO 1000.	Every summer of even years
Chemistry/ Physics	BTEC: 3510	BTEC 3510. Bioprocessing (3 credits) A laboratory intensive course designed to train students in selected aspects of fermentation for the production of biochemicals and macromolecules. Students will learn theory and practical application for important techniques in projects related to	Varies

		fermentation and bioconversion. PREREQ: BIO 3150 or BIO 3710 and CHM 3110	
Elementary Education	ELE: 4120	ELE 4120. Teaching Science in the Elementary School (3 credits) An in-depth study of science processes and pedagogies that support developmentally appropriate instruction in process skills and science concept understanding in the elementary school classroom. Current research, educational practice, and instructional materials will be analyzed in relation to a comprehensive, balanced approach to science instruction. Teacher candidates will critically examine research-based theories and best practices that support children's developing science skills and understanding of concepts in life, physical, and earth/space science. North Carolina Standards for Science grades K-6 will also be examined. Field Experience Required. PREREQ: Admission to Teacher Education.	Both semesters
Geology & Geography	GLY: 2260	GLY 2260. Oceanography (3 credits) Ocean circulation, properties of ocean water, waves and tides, and processes of shoreline erosion and deposition. The relationship between marine processes and human use of coastal areas will be emphasized. PREREQ: GLY 1000 or GLY 1150	
	GGY: 2500	GGY 2500. Introduction to Cartography (3 credits) Concepts and skills of map use and interpretation. Cartographic techniques and conventions for production of thematic maps. Basic concepts of geographic information systems and remote sensing	
	GGY: 2700	GGY 2700. Introduction to geographic Information Science An introduction to the concepts and uses of GIS technologies and GIS science concepts. Lecture topics include history of GIS, GIS data structures, sources of data, GIS tools, and applications. Lab emphasis will be on spatial data handling in a computer environment; data analysis, production, and information display for planning and decision making.	
	GGY: 4040	GGY 4040. Remote Sensing (3 credits) Remote sensing of Earth's surface. Techniques of photography, multispectral scanning, and microwave imagery from airplane, satellite, and manned- spacecraft platforms. Image interpretation, practical applications in Earth Science, and use of remotely sensed data in Geographic Information Systems	
	GGY: 4100	GGY 4100. Land Use Planning (3 credits) Study of the diverse factors affecting human use of the physical environment. The roles of topography, soils, groundwater, wastewater, streamflow, wetlands, and landscape ecology in environmental land use planning will be considered in detail. PREREQ: GGY 1010 and GGY 2500.	

History Department	HST/AIS: 1100	HST 1100. History of the American Indian to 1865 (AIS 1100) (3 credits) A survey of North American Indian history from arrival in the Western Hemisphere to 1865, with emphasis on intertribal and Euro-American relationships, prominent personages, political and economic developments, and adaptation to White culture	Every semester
	HST/AIS: 1110	HST 1110. History of the American Indian since 1865 (AIS 1110) (3 credits) A survey of North American Indian history since 1865, with emphasis on intertribal and Euro-American relationships, prominent personages, political and economic developments, and adaptation to White culture	Every semester
Philosophy and Religion	PHI: 3220	PHI 3220. Religion and Science (REL 3220) (3 credits) An examination of issues between science and religion and a consideration of a tradition in natural theology used to validate religious claims.	Varies
	REL: 2140	REL 2140. Introduction to Religious Ethics (3 credits) An introduction to and survey of religious ethics, particularly in the Judeo-Christian tradition. The course will examine resources and methods for doing religious ethics from scripture, tradition, and contemporary philosophy, experience, and culture, as well as analyze specific personal and social moral issues.	Varies
Sociology & Criminal Justice	CRJ: 4020	CRJS 4xxx. Special Topics in Criminal Justice (3 credits) This course title provides flexibility to introduce specialized courses which may be of substantial interest to students. Usually Taught is Environmental Crime & Animal Abuse	Varies
	SOC: 3180	SOC 3180. Community Development (3 credits) This course examines sociological perspectives on contemporary theory and practice in community development. Attention will be given to development theory as well as applied sociological investigation into creating community social change. Problems and opportunities that arise from social and demographic change and the dynamics of local economies in a global context will be examined. Portfolio requirement includes an agency assessment	Varies
	SOC: 4420	SOC 4420. Community Resource Development (3 credits) This course will focus on community change by developing grant writing skills and related competencies including research, resource identification, program development, capacity building and change/ intervention strategies to aid in the creation of proposals designed to address specific community needs. Portfolio requirement includes a completed grant application	Varies

Graduate Courses with Sustainability Content Offered at UNCP

Department Name	Course #	Course Description	When Offered
MA- Science Education	Bio-5100	BIO 5100. Marine Biology (3 credits) A survey of the common organisms associated with tropical marine habitats. The course includes a one-week on-campus study followed by a one-week field, lab work at the Bermuda Biological Station for Research.	Every other year on even years
	Bio-5140	BIO 5140. Biogeography (3 credits) Students will become cognizant of the principles of biogeography through an analysis of the interactions of organisms with each other and with the physical environment through time. Biogeographic processes are examined at individual, community, and ecosystem levels. The effects of evolution and a changing earth on species distribution and extinction will be assessed. Causes of modern and historical distributions of taxa will be examined.	Once a year
	Bio-5250	BIO 5250. Evolutionary Botany (3 credits) A survey of all photosynthetic organisms with emphasis on phylogenetic relationships. Topics covered will include early evolution of life and the part photosynthesis played, three billion years of evolution restricted to the aquatic habitat, and evolution of terrestrial plants over the last half billion years.	Once a year
	Bio-5350	BIO 5350. Evolutionary Zoology (3 credits) A review of the basic workings of science, evolutionary concepts, and the animal kingdom. Topics will also include animal fossils, morphological & behavioral phylogeny, and human evolution.	Once per year
	Bio-5400	BIO 5400. Natural History of Costa Rica (3 credits) An introduction to different ecosystems within Costa Rica. Students participate in field trips and excursions to study first-hand the biological complexities of the tropics. Students will experience cultural aspects of Costa Rica, discuss Costa Rica's conservation ethic and the impact of humans on the environment. Offered in the summer of odd numbered years; students spend two full weeks in Costa Rica.	Every other year on odd years
	GLY-5010	GLY 5010. Essentials of Earth Science (3 credits) Advanced study of topics in geology, meteorology, oceanography, and solar system astronomy.	Once per year
	GLY-5020	GLY 5020. Essentials of Earth History (3 credits) An Advanced study of earth history as recorded in the rock record. Topics include geologic time; evolution of the continents, oceans and atmosphere; fossils and the development of life through time; and the historical development of geologic concepts. PREREQ: GLY 5010 or permission of the instructor.	Once per year

	GLY-5410	GLY 5410. Meteorology and Climatology (3 credits) Analysis and presentation of weather and climate information. Emphasis on explanatory methods in basic meteorology. Graphical representation and modeling of weather elements, atmospheric processes and climate regions	Once per year
	GLY-5030	GLY 5030. geology of North Carolina (3 credits) Study of the geology of North Carolina. Areas include the Blue Ridge, Piedmont, Newark type Basins, and Coastal Plain. Topics include rocks, structures, environmental geology, economic geology, and plate tectonic implications of these regions. May include field trips.	Once per year
Masters of Public Adm.	EMG: 5150	EMG 5150. Introduction to Emergency Management (3 credits) This course will introduce students to the fundamental elements of emergency management: its evolution, the history and growth of emergency management, and the contemporary practice of strategic 471 Graduate Studies and Research	

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