

Undergraduate Courses

Academic Department	Course Number	Description	Sustainability-Inclusive	Sustainability-Focused	Next Available
College of Arts and Sciences	ANTH 3510: Political Anthropology	Anthropological exploration of various political systems; cross-cultural examination of political leadership, political power, and conflict. Emphasis on non-Western, non-industrialized societies.	X		Fall 2023
College of Arts and Sciences	BIOS 1000: Animal Diversity	For nonmajors. A broad survey of all of the major groups of animals. Aspects of the biology, reproduction, ecology, and evolution of the animal phyla.	X		Fall 2023
College of Arts and Sciences	BIOS 2200: Conservation and Biodiversity	For nonmajors. Introduces the student to the modern field of conservation biology and the role of genetics, ecology, life history, and biogeography in the preservation and maintenance of biodiversity. Case studies of endangered animal and plant species will be highlighted.	X		Fall 2023
College of Arts and Sciences	BIOS 2750: Ecology in the 21st Century	Introductory study of the natural environment and relations of organisms to one another and their surroundings. Individual, population, and community and global dynamics are considered in natural and human-influenced environments to improve ecological literacy about how the natural world works.	X		Fall 2023
College of Arts and Sciences	BIOS 3740X : Wildlife Habitat Management	This course covers theoretical and practical aspects of management of wildlife and their habitats. It examines ecological, social, economic and regulatory (policy) perspectives of managing wildlife populations and wildlife habitat management aimed towards sustainable use of wildlife.		X	Fall 2023
College of Arts and Sciences	BIOS 4310: Aquatic Biology	Physical, chemical, and biological processes in lakes and running waters. Emphasis on the collection and analysis of environmental and ecological data describing populations and communities. Lab includes field sampling of local habitats.	X		Fall 2023
College of Arts and Sciences	BIOS 4770: Population Ecology	Major theories and concepts in population and evolutionary ecology. Emphasis on mathematical models pertaining to growth and regulation of populations, population interactions, including predation and competition, distribution and abundance, and life history theory.	X		Fall 2023
School of Business	BUSL 2000 Law and Society	Conceptual approach to origin, nature, structure, functions, and procedures of law, with study of ethics and introduction to constitutional, administrative, criminal, tort, contractual, international, and environmental law, as well as business organizations.	X		Fall 2023
College of Arts and Sciences	CAS 1415: Introduction to Sustainability	Multi-disciplinary course that introduces students to sustainability concepts, issues, and trends from the local to the global levels		X	Fall 2023
Engineering and Technology	CE 4540: Sustainable Construction	Investigations into green building construction practices and sustainability including use of novel or recycled materials, energy management and efficiency, water use/re-use, and indoor air quality.		X	Fall 2023
College of Arts and Sciences	ECON 3120: Economics of Poverty	Incidence, causes, measurement and analysis of poverty worldwide.	X		Fall 2023
College of GVS Leadership & Public Affairs	ES 2970T: Environmental Studies Tutorial	Special environmental studies course offered for students in the Honors Tutorial College		X	Fall 2023
College of GVS Leadership & Public Affairs	ES 4250: Watershed Management	Examine the major chemical and biological factors that affect watershed health and how to incorporate them into a watershed management plan in consultation with stakeholders. Discuss the importance of stakeholder engagement and identify key stakeholders and the key social, legal and economic issues that will affect management decisions.		X	Fall 2023
College of Arts and Sciences	ES 5250: Watershed Management	Examine the major chemical and biological factors that affect watershed health and how to incorporate them into a watershed management plan in consultation with stakeholders. Discuss the importance of stakeholder engagement and identify key stakeholders and the key social, legal and economic issues that will affect management decisions.		X	Fall 2023
College of Arts and Sciences	GEOG 1100: Physical Geography	An introduction to the earth's dynamic, natural environmental systems-- weather and climate, landforms, soils, ecosystems, and biomes.	X		Summer 2023 & Fall 2023
College of Arts and Sciences	GEOG 1200 Human Geography	Examination of spatial dimensions of culture, emphasizing patterns of selected cultural elements - language, religion, population, settlement, political and economic landscapes, and human/environment interactions.	X		Fall 2023
College of Arts and Sciences	GEOG 2400: Environmental Geography	Geographic survey of environmental changes caused by human activities. Focus on resource availability and use, pollution of air, water, and biosphere, energy problems, interactions of humans with plant and animal communities, climate change, and sustainability planning.		X	Fall 2023
College of Arts and Sciences	GEOG 3330: Appalachia: Land and People	Topical and regional survey of Appalachia with emphasis on settlement and expansion, land ownership and speculation, society and culture, and the impacts of natural resource extraction.	X		Fall 2023
College of Arts and Sciences	GEOG 3460 Environmental Law	Legal aspects of both individual environmental and societal environmental rights and duties with respect to constitution, private property, nuisance, negligence, statutes, regulatory agencies, and court decisions. Emphasis on case study of federal, state, and local laws that shaped existing law and those that are likely to shape future legislative and administrative action.	x		Fall 2023
College of Arts and Sciences	GEOG 1350: Natural Disasters	Analysis of threats associated with living on a dynamic planet. Focus on the origins and physical natures of hazardous geological events. Taught using case studies of actual disasters. Intended to convey how we can minimize our vulnerability to disasters by applying lessons learned from past earthquakes, volcanic eruptions, floods, landslides, and sinkhole collapses. Intended for science and nonscience majors seeking a basic understanding of geology and how it affects the human race.	X		Fall 2023
College of Arts and Sciences	GEOG 2310 Water and Pollution	The interrelationship between geologic and hydrologic principles and technology as they relate to the use of water resources and the environmental problems associated with its pollution.	X		Summer 2023 & Fall 2023

Buisness	MKT 4100: Sustainability Marketing	In this course, students investigate the overlap between marketing and sustainability in a dynamic business landscape. Using a combination of lectures, videos, assignments, and group projects, the class examines the environmental, social, and economic principles of sustainability within a business context. Students learn to think critically and creatively to challenge assumptions and uncover bridges and barriers to successful marketing strategy. Finally, students discuss the role of personal beliefs and cultural norms in an interconnected, global economy. The goal is to develop responsible, analytical, curious businesspeople who are ready to tackle the issues of our changing planet.		X	Fall 2023
Health Sciences & Professions	NUTR 1100: Introduction to Food Systems	Components of the food system and all processes that maintain our food supply, including growing, harvesting, processing, packaging, transporting, marketing, consuming, and disposing of food/food packages. Interaction of the food system with social, political, economic and natural environments. Sustainability of the food system. Impact of the food system on nutritional well-being.		X	Fall 2023
College of Arts and Sciences	PBIO 1030, Plants and People	Interrelationships of plants and humans from both historical and modern points of view, origins of agriculture and civilization, tropical and temperate food plants, medicinal plants, drug plants, destruction of environment, and its ultimate effect on food plants.	X		Fall 2023
College of Arts and Sciences	PBIO 2060: Sustainable Agriculture	Investigation of global and local agriculture with an emphasis on small scale, highly diversified agriculture and local food systems.as a synthesis of human activities. Agriculture will be considered to include the production from plants of food, fiber, fuel, building materials, and medicines. Students will gain direct experience with agriculture by growing an organic garden, preparing compost and testing soils, harvesting crops, seed saving and visiting local farms.		X	Fall 2023
College of Arts and Sciences	PHIL 3350: Environmental Ethics	How should we value nature? What is important about it, and why? Is it important to us because caring for nature advances our interests, or because it is valuable in its own right? Do animals have special claims upon us? Should our primary concern be for individual organisms, or for species? Aims at thinking through some of the questions that surround the idea of valuing the environment in which we live, and understanding possible views as to the <u>source and nature of that value.</u>		X	Fall 2023
College of Education	RED 3400: Environmental Interpretation	The art of interpretation is a process of communication, designed to produce both an emotional and intellectual bond between an audience and the cultural and/or natural resources that are the subject of interpretation. Will help students develop an understanding of the principles and techniques necessary for effective interpretation, with a specific focus on interpreting cultural and natural resources in parks and protected areas. Students will design and construct interpretive materials and address how these materials may serve as an important tool in parks and protected areas management	X		Fall 2023
College of Arts and Sciences	SOC 2000: Contemporary Social Problems	Sociological perspectives on social problems considered. Emphasis on the social mechanisms that produce and reproduce images, explanations, causes, and consequences of social problems.	X		Summer 2023
College of Arts and Sciences	SOC 4810: Environmental Sociology	Examines the interaction between social systems and the natural ecosystems in which they reside. It considers the predominant cultural, demographic, economic, geographic, political, and social factors that modify and shape the environment and the human ecological footprint. Emphasis is on the prospects for the emergence of sustainable societies and links between environmental issues and conflict, development, globalization, inequality, social change, and social movements among others.		X	Fall 2023
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