

## Graduate Courses

Academic Department	Course Name / Number	Description	Courses that include Sustain.	Sustain. Courses	Available 2019/2020
Civil Engineering	CE 5530: Solid and Hazardous Waste Management	Identification, classification, and study of methods of characterization, handling, treating, managing, and disposal of solid/hazardous wastes regulated under federal and state guidelines and legislation, site remediation, green chemistry.		x	Spring 2020
Civil Engineering	CE 5540: 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	Spring 2020
Civil Engineering	CE 6560: Advanced Waste Water Treatment	Advanced study of theory. Design of biological treatment units. Practice in control methods.		X	Spring 2020
Environmental Studies	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 2019
Environmental Studies	ES 5832: Sustainability Implementation	Critical analysis of the Ohio University Sustainability Plan, exploration of contemporary activism approaches, and implementation of effective projects and feasibility studies to advance institutional sustainability efforts.		x	Spring 2020
Environmental Studies	ES 5832: Sustainability Implementation Practicum	This course involves students in a critical analysis of the Ohio University Sustainability Plan and community-based projects that support the Office of Sustainability's mission. Students are engaged in the exploration of contemporary environmental initiatives, leadership, professionalism and local issues. Implementation of effective projects and feasibility studies to advance institutional sustainability efforts provides students the opportunity to make meaningful changes within their campus and community. This course's focus allows students the opportunity to better define sustainability and the role it plays in their lives, enhance skills that encourage sustainable behaviors and make positive contributions to their health, the natural environment and the local community.		X	Spring 2020
Environmental Studies	ES 5900: Resiliency Theory and Practice	Resiliency Theory and Practice	X		Fall 2019
Environmental Studies	ES 6800: Seminar in Community-Based Environmental Studies	Provides forum for discussion and analysis of contemporary environmental problems. Class includes orientation to the Appalachian region in the context of environmental issues.	X		Fall 2019 & Spring 2020
Environmental Studies	ES 6810: Seminar in Environment and Society	Interdisciplinary graduate-only offering covering such topics as natural resource conservation, environmental literacy, environmental ethics, policy, literature, and justice.		X	Fall 2019 & Spring 2020
Environmental Studies	ES 6830: Concepts in Environmental Sustainability	Examines global and regional environmental issues and considers the scientific basis for policy options. Concepts and discussion of environmental sustainability.		x	Fall 2019
Geography	GEOG 5450: Gender, Environment and Development	Explores frameworks linking gender and the environment and examines how they have influenced the practice of development in various geographic contexts. Case studies from Africa, USA, Latin America, and Asia. Topics include gendered access to resources, health and inequality, men and masculinities, the body and the environment, non-governmental organizations, and grass root organizing.	x		Fall 2019
Geography	GEOG 5460: 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 2019 & Spring 2020
Geography	GEOG 5470: Natural Resource Conservation	Themes in American environmental history, resource conservation and management, and contemporary environmentalism.		x	Fall 2019
Geography	GEOG 5520: Environmental and Sustainability Planning	An introduction to how urban planning tools can be used to support the natural environment and promote local and regional sustainability. Outlines strategies for meeting important biodiversity, water resources, hazard mitigation, working landscape, waste management, and air quality goals. Connects environmental planning with supportive topics such as environmental policy and governance, sustainability and climate action planning, environmental justice, and environmental assessment.		X	Spring 2020
Geography	GEOG 5560: The Just and Sustainable City	A critical examination of the role of nature and political economy in the sustainable development of urban environments in the context of social and environmental justice. Topics studied include the relationship between urbanism and nature, environmental justice, compact versus sprawling development, slums in developing world cities, urban agriculture as a solution to urban hunger, toxic lawn ecologies, uneven urban forests and parks, vulnerability to urban climate changes, brownfield redevelopment and the specter of gentrification, and the role of animals in the city, among other topics. These topics are studied in both developed and developing world contexts. Students taking this course will also be asked to evaluate urban sustainability initiatives related to these topics with concepts of social and environmental justice in mind.		X	Spring 2020
Recreation	REC 5550: Principles of Ecotourism	Introduce students to both theory and practical applications of concepts surrounding ecotourism and sustainable development. An understanding of the benefits and weaknesses of ecotourism as a sustainable development approach is the focus of the course. Theory, practice, history, terminology and issues of ecotourism planning and management are examined. Additionally, the motives and behaviors of tourists, natural resources as attractions and destinations, social and resource responsibility and establishing policies and principles for sustainability are discussed.		x	Spring 2020