

ENVIRONMENTAL STUDIES SPRING 2023

ES call	other call	title	instructor	times	description
ES 100		Environmental Science	Jennings	MWF 1pm, lab T 9-10:50	This course uses scientific principles to explore the interdisciplinary study of socio-ecological systems. Students will develop a knowledge base of our biological and physical environment, leading to an exploration of human interactions with the environment. Using lectures, laboratory exercises, and fieldwork, students will learn to understand environmental issues and make informed choices regarding environmental dilemmas. Topics include earth and biological systems, population dynamics, land and water use, energy resources, pollution, and global change.
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ES 200		Environment and Society	Crider	TR 3:30pm	ES 200 is an exploration of issues, methods, and terminology essential to contemporary environmental thought. This interdisciplinary course is a study of the relationship between human culture and ecological systems. ES 200 counts for the Personal Development General Education Requirement.
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ES 310		Environmental Data Collection & Analysis	Jennings	MWF 10am, lab R 9-10:50	This course will explore the ways in which environmental and earth scientist collect data and interpret their findings to understand our environment. Methods will include data collection from field experiences, free online resources, and other platforms. Students will use collected data to analyze and interpret results in order to gain first hand experience in how science is conducted outside of the classroom.
ES 350	POS 448	Environmental Policy	Eckelman	MW 2pm	Study both historical and current environmental policy challenges at the local, national, and international levels. Analyze legal texts, policy documents, scholarly literature, and news media to explore the complexity of environmental governance. ES 200 is recommended.
ES 401	EXNS 495/GSD 495/HNRS 409/SWK 411	Natural Experiences and the Digital World	Beal/Bishop	W 5-7:30pm	This course will study the intersection of outdoor experiences, traditional exercise, and digital experiences of a similar nature. Topics of interest include eSports, heart rate and other measurements related to different physical activities, the natural world as compared to the virtual world, social experiences in person and online, and society's ever-expanding technolog.
ES 410	SOC 360	Social Change	Lowry	MWF 12pm	"This course introduces students to major sociological concepts and theories related to collective behavior, social movements, and counter-movements— both "unintentional" and "intentional" social change. We explore questions such as: What is distinct about collective behavior? Why and how does society change—or not change? When and how do social movements have lasting effects? When and how are counter-movements effective?"

ES 410	MG 420 MK 455 NPS 420	Social Entrepreneurship and Sustainability	Smith	TR 2pm	Social entrepreneurship is a rapidly developing and changing business field in which business and nonprofit leaders design, grow, and lead mission-driven enterprises. As the traditional lines blur between nonprofit enterprises, government, and business, it is critical that business students understand the opportunities and challenges in this new landscape. Through guest speakers, case discussion, lecture, and student presentations this course will explore this emerging field. Students will be expected to develop a business plan for a social enterprise. Because the field of social entrepreneurship is interdisciplinary and in its infancy, the course will be introductory in nature and will draw heavily from cases, speaker experience, and student
E 410	ENG 456	Writing Process: Writing for the Environment	Mwenja	MWF 1pm	This course explores a few exigent questions: Why do people need to write well on behalf of the environment? How might a writer's process change in composing the many different kinds of environmental texts? How could an embedded writing instructor's approach be different when working specifically with environmental writers? Students in this course will survey current academic literature focused on situated writing pedagogy and writing processes—along with a variety of environmental writings—to examine multiple ways that people approach the writing process, various goals that composers have for writing, and wide-ranging ways of exploring environmental concerns through the act of writing. During the term, students will develop individualized glossaries covering key terms in the semester's work, pursue individual research, connect current and foundational literature in one area of focus. Students will also create mini-lessons appropriate for tutoring sessions or classroom instruction.
ES 410		Water Resources	Jennings	TR 11am	This course will explore the basic physics, chemistry, and biology of lakes and streams in order to promote an understanding of our natural freshwater systems. Students will gain experience in basic techniques used in aquatic monitoring and research which will include field components. We will also explore the current threats to freshwater ecosystems and the mechanisms by which they become degraded.
ES 410	SWK 411/PJS 470	Environmental Justice	Tetloff	TR 2pm	This course will examine racial and income inequalities that result from the development and implementation of environmental policies. It will investigate the root causes of these disparities, their impact on physical, mental, and emotional health, and mechanisms for meaningful change."
ES 495		Environmental Internship		N/A	Set up with Dr. Caplow
	BIO 435	Conservation Biology	Wicknick	MWF 1pm, lab 2-4:50pm T	Study of the scientific efforts to document biodiversity and to understand and reduce the negative impact of human activity on the biosphere. Required trip to Belize included in the class - email Dr. Wicknick for more information on how to enroll.
ES 475		Environmental Studies in Action	Jennings	MWF 9am	Environmental Studies in Action is a semester-long team research learning project where students generate concrete products for a real-world client; these products may include written documents, presentations, infrastructure, or other material outputs. All of the products will have an environmental component, but students may bring other disciplines as needed in order to design innovative solutions to sustainability challenges.
	BIO 205	Ecology	Wicknick	MWF 11am, lab T 11-2	required course for ES
	POS 370	Social Science Research	Doerfler	MWF 10am	required course for ES

KEY:

gen ed option (not in ES Major)	co-taught class (2 required)
required ES course, also in Gen Ed	ES elective (4 required)

required ES course		
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