**Environmental Studies**

- Business, property management and crime hot spot analysis. This course will introduce students to this powerful software through lectures in GIScience and hands-on labs with ArcGIS.

**GEOG 440 Biogeography**  
4 units  
Biogeography is the science of the distribution of plants and animals and the patterns and processes responsible for these distributions. This course introduces students to the discipline of biogeography and its major topics such as island biogeography, speciation and extinction, diversification, and conservation from a more geographical perspective emphasizing large scale patterns through space and time. **Prerequisite:** BIO 110 or BIO 140 or consent of instructor.

**Environmental Studies**  
**ENVST 170 Environmental Ethics**  
3 units  
This course considers the role ethics and philosophy play in how wo/man relates to her and his human and natural environment. The central themes of the course are the relationship between human centered and nature centered views of the universe and wo/man’s responsibility for the care of the universe. Philosophies considered include but are not limited to Anthropocentrism, Confucianism, Taoism, Aristotelianism, Humanism, Transcendentalism, American Indian, EcoFeminism and Deep Ecology. **Same as:** PHIL 170.

**ENVST 215 Music and Ecology: Studies in Interconnection**  
3 units  
This course will examine embedded views of the relationship between humans and their environments in the context and function of music in different times and cultures. Music is both commonly a means of the most profound communication between humans and nature, and embodies cultural understanding and expression of the relationship, humans place in nature. Readings will include examination of music cultures, the expressed views and philosophies of the people in those music cultures, and studies of the ecological systems and ecological impacts of human actions where those people live. **Same as:** MUSICHST 215.

**ENVST 230 Thinking Through Nature**  
3 units  
From Heraclitus on, the concept of nature has proven to be unique in its ability to expand imagination, stimulate thought, and articulate disagreement. This class will place major texts in the traditions of natural philosophy, pastoral, and cultural critique alongside contemporary interventions, including arguments for the ecology without nature. Our goal is to rethink nature in response to the technological mastery of all life made possible by the advancement of science. The texts to be studied include Aristotle, Pliny the Elder, Lucretius, Virgil, Rousseau, Diderot, Thoreau, Darwin, Dennett and Will Self. **Same as:** LIT 230.

**ENVST 360 Environmental Economics**  
3 units  
This upper division course combines theory and policy surveys to study environmental issues from an economist’s perspective. Major topics include theoretical and applied modeling of the economy-environment relationship, causes and consequences of market failure affecting environmental services, the design and evaluation of environmental policy instruments, and the political economy of environmental policy. Students will learn to identify the economic components of an environmental issue, analyze the impacts of human economic activity on the environment, and present and discuss the pros and cons of various environmental policies. **Prerequisite:** ECON 100 or INTS 100. **Same as:** ECON 360.

**ENVST 290 Topics in Environmental Studies**  
1-4 units  
**ENVST 390, 490 Advanced Topics in Environmental Studies**  
1-4 units  
**ENVST 298, 398, 498 Special Study**  
1-4 units  
**ENVST 299, 399, 499 Independent Study**  
1-4 units