

Environmental Sciences (ESCI)

ESCI 205 Landscape Ecology (4)

ESCI 215 Sound, Soundscapes, and the Environment (4)

A study of sound and its roles in terrestrial and aquatic ecology, biodiversity conservation, and environmental justice. Topics include the evolution and ecology of sonic communication and soundscapes, the role of sound in the study and management of ecosystems, the origins and effects of noise pollution, and the future of Earth's sensory richness. Labs emphasize the appreciation, measurement, and analysis of sounds from the local environment. *Prerequisite: BIOL 130 or ENST 101.*

ESCI 240 Island Ecology (Lab) (8)

This interdisciplinary field course combines the study of geology, oceanography, marine biology, botany, and wildlife behavior in a single coastal island ecosystem. *Prerequisite: Only open to students who have completed ENST 140 and been admitted to the Island Ecology program.*

ESCI 310 Oceanography (4)

A multi-disciplinary exploration of the ocean's diversity of dynamics, habitats, and organisms, with an emphasis on the complex processes that connect them. Foundational principles, methods and technology, and the latest progress in the marine sciences are covered. *Prerequisite: ENST 209.*

ESCI 430 Watershed Science Capstone (4)

Capstone course for students pursuing the watershed science certificate. A multidisciplinary, project-oriented course in which students address issues related to two or more of the following topic areas: the interaction of biological processes and watershed function, chemical processes in streams and watershed, the relation between forested landscapes and hydrologic systems, or geological processes in terrestrial aquatic systems. *Open only to seniors pursuing curricular certificates in watershed science.*

ESCI 444 Independent Study (2 or 4)

A supervised field or laboratory investigation of an interdisciplinary topic in environmental science. This course may be repeated for credit when the topic differs. *Prerequisite: Instructor prerequisite override required.*

ESCI 450 Readings in Environmental Sciences (2)

A course exploring and integrating themes in current and historical literature in archaeology, earth sciences, forestry, geography, spatial analysis, and watershed sciences. Open only to seniors pursuing majors in forestry, geology, or natural resources and the environment. *Open only to seniors pursuing majors in forestry, geology, or natural resources and the environment.*