

ENVIRONMENTAL SCIENCE/ STUDIES (ENVS)

Courses

ENVS 270 SPECIAL TOPICS IN ENVIRONMENTAL SCIENCE AND STUDIES (1-4)

Study of a special topic related to Environmental Science and Studies. Topic can vary and will be announced. May be repeated if a different topic is covered.

ENVS 382 ENVIRONMENTAL EDUCATION AND SERVICE LEARNING IN THE TROPICS (3)

Designed for majors in Science or Education with an interest in Environmental Education; course work will take place in Costa Rica; emphasis on tropical forest ecology concepts applicable to PreK-12 environmental education and management of tropical natural resources. Cross-listed as BIOL 382. Prerequisites: minimum Junior status and consent of the instructor.

ENVS 411 WATER POLICIES OF THE UNITED STATES (3)

History and application of the Clean Water Act, including ongoing actions and case studies with focus on Maryland issues. Prerequisite: POSC 103 or POSC 207.

ENVS 420 ENVIRONMENTAL POLICY AND SUSTAINABLE MANAGEMENT (3)

Analysis of the scientific approach to solve environmental problems within the socioeconomic concerns involved in formulating and administering environmental policy. Energy, management, policy, and sustainability are considered. Prerequisite: POSC 103 or POSC 207.

ENVS 425 SCIENCE AND POLICY OF THE CHESAPEAKE BAY RESTORATION (3)

Provides students with a basic understanding of the key physical, chemical and biological processes taking place in the largest estuary in America. The class will explore how an understanding of these important ecosystem components has informed scientist, managers, legislators and other stakeholders about the causes of the degradation of the Bay and has provided insight into the formulation of a strategy for its protection and restoration. In addition to class lectures, projects and possibly in-field experiences, regional Chesapeake Bay experts from the academic, political and regulatory sectors will provide students with a real-world perspective on both the opportunities and obstacles in the effort to save the Bay.

ENVS 432 SPECIAL TOPICS IN ENVIRONMENTAL SCIENCE AND STUDIES (1-4)

Study of a special topic related to Environmental Science and Studies. Topic can vary and will be announced. May be repeated if a different topic is covered.

ENVS 471 INDEPENDENT STUDY IN ENVIRONMENTAL SCIENCE AND STUDIES (1-3)

Studies in selected content areas tailored to student needs. This course may be repeated for a total of 3 credits. Prerequisites: ESS major only, completion of 30 credit hours of required ESS coursework or consent of department.

ENVS 482 ENVIRONMENTAL RESEARCH (3)

Independent investigation of an environmental problem/question under the guidance of a faculty member. Paper and public presentation required. Prerequisites: ESS major, junior or senior standing and consent of instructor. Special permit required.

ENVS 485 ENVIRONMENTAL INTERNSHIP (3)

Practical application of environmental science and studies through a supervised work experience with business, industry, public or private agency. Analytical final product in which the student integrates workplace experience with academic studies required. Prerequisites: ESS major, junior or senior standing, 2.50 QPA in ESS required courses, and consent of internship coordinator.

ENVS 491 SENIOR SEMINAR (3)

Synthesis, analysis and application of information from a broad range of perspectives. Prerequisites: ESS major, completion of Advanced Writing Seminar requirement, and senior standing; consent of department.