

Environmental Studies (ENVI)

Courses

ENVI A211 Environmental Science: Systems and Processes 3 Credits

Introduces science as a powerful but limited tool for understanding and solving environmental problems. The Earth is discussed as a system with feedbacks, interrelationships, cycles and flows that is undergoing natural and human-induced changes. Topics include basic ecology and biogeochemistry, natural hazards, resources the environment provides to humans, and current environmental issues. Uses Alaskan, Arctic and other regional examples.

Prerequisites: WRTG A111 with a minimum grade of C and (MATH A105 with a minimum grade of C or MATH A121 with a minimum grade of C or MATH A151 with a minimum grade of C or MATH A152 with a minimum grade of C or MATH A155 with a minimum grade of C or MATH A221 with a minimum grade of C or MATH A251 with a minimum grade of C).

Attributes: UAA Natural Sciences GER.

ENVI A211L Environmental Science: Systems and Processes

Laboratory 1 Credit

Laboratory introducing students to the systematic acquisition of data and its analysis and interpretation in a manner consistent with the disciplines of environmental studies. This includes field and classroom experiences and the use of remotely sensed data and geographic information systems in interpretation, analysis and presentation. Themes include scientific method, map use, environmental problems at multiple scales, climate, resources and resource stress, and natural hazards.

Prerequisites: WRTG A111 with a minimum grade of C and (MATH A105 with a minimum grade of C or MATH A121 with a minimum grade of C or MATH A151 with a minimum grade of C or MATH A152 with a minimum grade of C or MATH A155 with a minimum grade of C or MATH A221 with a minimum grade of C or MATH A251 with a minimum grade of C).

Attributes: UAA Natural Sci Lab Only GER.

ENVI A212 Living on Earth: Introduction to Environmental Studies 3 Credits

Examines relationships between people and their environment. Considers environmental problems, potential solutions, and the social and ecological impacts of our daily choices as citizens and consumers.

Prerequisites: ENVI A211 with a minimum grade of C.

Attributes: UAA Social Sciences GER.

ENVI A280 Professional Preparation in Environmental Fields I 1 Credit

A professional preparation course that will guide students in professional preparation through their academic program, begin the development of professional portfolios, introduce internship opportunities, encourage the pursuit of undergraduate research opportunities and assist in planning for graduate school.

May Be Stacked With: ENVI A480

Prerequisites: ENVI A212 with a minimum grade of D or concurrent enrollment.

ENVI A370 Environmental Field Methods 3 Credits

Introduces methods of data collection and basic analysis for environmental studies. Focuses on the development of quantitative skills and tools used in science professions, with a particular emphasis on field-based data collection techniques. Combines hands-on outdoor field labs with classroom-based analysis and group presentations.

Registration Restrictions: Completion of GER Tier 1 (basic college-level skills) courses and sophomore standing

Prerequisites: ENVI A211 with a minimum grade of C and ENVI A211L with a minimum grade of C and (STAT A200 with a minimum grade of C or concurrent enrollment or STAT A253 with a minimum grade of C or concurrent enrollment).

ENVI A395 Environmental Studies Internship 3-9 Credits

Intensive experience applying environmental studies disciplinary knowledge and skills in a professional setting. Internships will be completed with a community partner (such as an agency or private organization) that engages in environmentally based work.

Special Note: May be repeated for a maximum of 9 credits.

Registration Restrictions: Instructor permission required.

Prerequisites: ENVI A211 with a minimum grade of D.

ENVI A480 Professional Preparation in Environmental Fields II 1 Credit

A professional preparation course that will require students to report on their internships and undergraduate research, systematically reflect on their degree program, and develop career and academic plans.

Registration Restrictions: Environment and society major

May Be Stacked With: ENVI A280

Prerequisites: ENVI A280 with a minimum grade of C and ENVI A395 with a minimum grade of C and GEOG A470 with a minimum grade of C.

ENVI A490 Topics in Environment and Society 3 Credits

A seminar focusing on approaches and practices for addressing social concerns related to environmental problems.

Special Note: May be repeated twice with change of subtitle.

Prerequisites: ENVI A211 with a minimum grade of D or ENVI A212 with a minimum grade of D.

ENVI A498 Directed Research 2-6 Credits

Student research conducted on specific topic in environmental studies and/or science. Research topic to be approved and directed by a faculty member in the Department of Geography and Environmental Studies.

Special Note: May be repeated for a maximum of 6 credits.

Registration Restrictions: Faculty permission

ENVI A499 Senior Thesis 3 Credits

Independent research culminating in the completion of a senior thesis in environmental studies and/or science. Research topic to be approved and directed by a faculty member in the Department of Geography and Environmental Studies.

Special Note: May be repeated for a maximum of 6 credits.

Registration Restrictions: Senior standing and faculty permission