

ENVIRONMENTAL STUDIES (ENST)

ENST 188 - Getting to Know Environmental Studies. 1 Credit.

Course is designed to introduce entering EVST majors to the EVST program, the PEAS Farm and UM FLAT, and the broader Missoula environmental community, as well as internship opportunities. Offered CR/NCR only.

ENST 191 - Special Topics. 1-9 Credits.

(R 9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one time offerings of current topics.

ENST 201 - Environmental Info Resources. 3 Credits.

Offered spring. Prereq., WRIT 101 (or higher) or equivalent and majors in Environmental Studies and in Sustainability Science and Practice. Students learn how to find, evaluate, and use existing information to understand environmental issues. Students will learn research methods; research a question using a variety of sources; evaluate sources critically; and write and give an audio/video presentation on their question. Focus is on critical thinking and dealing with the information explosion. Gen Ed Attributes: Writing Across the Curriculum

ENST 225S - Sustainable Communities. 3 Credits.

Offered spring. Exploration of ways that communities promote sustainability and environmental health. Introduction of relevant social science concepts. Gen Ed Attributes: Social Sciences, Democracy and Citizenship

ENST 230H - Nature and Society. 3 Credits.

Offered autumn. Offered on Mountain Campus. Explores the relationship between ideas about nature and the development of political and social ideas, institutions, and practices, primarily in western (Euro-American) society. Complements ethics offerings in philosophy aimed at environmental studies majors. Gen Ed Attributes: Historical Studies

ENST 231H - Nature and Society. 3 Credits.

Offered autumn and spring. Offered at Missoula College. Prereq., WRIT 101 (or higher) or equivalent. Explores the relationship between ideas about nature and the development of political and social ideas, institutions, and practices in primarily western (Euro-American) society. Course is an elective for students in the 2-year AA and AAS degree programs. Gen Ed Attributes: Historical Studies, Writing course-Intermediate
Gen Ed Attributes: Historical Studies, Writing Across the Curriculum

ENST 291 - Special Topics/Experimental Courses. 1-9 Credits.

(R-9) Offered intermittently. May be restricted to EVST majors. May require consent of instructor. Experimental offerings of visiting professors, of new courses, or one-time offerings of current topics.

ENST 294 - Seminar. 1-6 Credits.

(R-6) Offered intermittently. May be restricted to EVST majors. May require consent of instructor. A review and discussion of current research. Topics vary.

ENST 310 - Environment Montana: A to Z. 3 Credits.

Offered spring. The environment of Montana has changed dramatically since its founding 150 years ago. The purpose of this course is to provide an introduction to the land, people and places of Montana as viewed through the lens of environmental change. It will explore environmental change in relation to the actions of human beings. It will also explore how federal policies intersect with Montana environmental stories. Through a combination of lectures, readings, focused in-class discussions, and a research project students will learn the environmental stories of Montana.

ENST 320E - Earth Ethics. 3 Credits.

Offered intermittently. Prereq., ENST 230H or PHL 112E or consent of instructor. We often think of environmental issues primarily as issues of science and politics: what does science tell us about problems facing the environment, and how can politics help us respond? But environmental issues are simultaneously ethical issues with several moral dimensions: because each issue raises questions of how we should respond, exploring the moral dimensions of environmental issues can help us to discern better or worse responses, and to understand why we choose to respond as we do. In this course we will develop broad familiarity with different approaches within the field of environmental ethics in order to use a case study approach to examine a range of contemporary environmental issues. Students will have the opportunity to develop their own responses within a moral framework. By the end of the course students will have learned how to examine the moral dimensions of a range of environmental issues and how to ground their own perspectives within an ethical framework. Gen Ed Attributes: Ethical & Human Values

ENST 335L - Literature of the Earth. 3 Credits.

Offered autumn. Prereq., WRIT 101 or equivalent. Provides interpretations and understanding of forms and themes in American nonfiction, fiction, poetry, and film that interrogate nature, the relationship between humanity and non-human life, ecological-racial justice, and the movement of environmental dissent and activism. Gen Ed Attributes: Literary & Artistic Studies, Writing in the Disciplines

ENST 350 - Energy and Climate. 3 Credits.

Energy and Climate takes an interdisciplinary look at the electrical grid and energy transition in the context of climate change. Students explore energy issues through technical, economic, environmental, and political lenses by tracing energy from its end-use back through the grid to its ultimate source, touching on every step along the way. Class time is dedicated to discussion, role-playing games, simulations, and occasional lectures.

ENST 367 - Environmental Politics & Policies. 3 Credits.

Offered autumn. Prereq., WRIT 101 or equivalent. Foundation in public lands history, bedrock environmental laws, policy processes and institutions. Research and analysis of current environmental and natural resource policy issues. Focus is domestic illustrated by case studies. Gen Ed Attributes: Writing in the Disciplines

ENST 373A - Writing the Earth: Workshop on Nature, Environment & Justice. 3 Credits.

Offered spring. Writing workshop for the creation, critique, and revision of essays about the environment to include natural history, personal narrative, science interpretation, advocacy/editorial, place-based essay, and others. Examination of concepts, forms, and approaches to writing about environmental concerns, activism, and justice. Reading and responding to published work, primarily from the perspective of technique and approach. Gen Ed Attributes: Expressive Arts

ENST 382 - Environmental Law. 3 Credits.

Offered spring. Prereq., WRIT 101 or equivalent. Introduction to the history, law and theory of environmental regulation in the United States using public and private land regulation mechanisms as case studies.

Basic principles of constitutional and administrative law relevant to environmental regulation, substantive public and private land use law and the history of environmental problems and their regulation.

Gen Ed Attributes: Writing in the Disciplines

ENST 391 - Special Topics/Experimental Courses. 1-12 Credits.

(R-12) Offered intermittently. May be restricted to EVST majors.

May require consent of instructor. Experimental offerings of visiting professors, of new courses, or one-time offerings of current topics.

ENST 395 - Field Studies: Environmental Studies. 2-3 Credits.

(R-12) Offered every term. Via extended backcountry travel, experiential examination of cultural history and public lands management, and how those affect ecosystem integrity. Investigation of personal roles in and relationships with human and ecological communities. Offered by the Wild Rockies Field Institute and Swan Valley Connections.

ENST 396 - Supervised Internship (PEAS). 10 Credits.

(R-10) Offered Fall (2 cr.), Spring (2 cr.); Summer intensive, (6 cr.).

Students learn small scale sustainable vegetable farming in a hands-on work environment at the PEAS farm (15 minute bike ride from campus). Lectures, readings and reflection inform the work. Summer students also visit local farms on once-a-week field trips. PEAS is repeatable, as the curriculum changes across the season, and students can attend any semester, though the 6 credit summer intensive course is the heart of the program.

ENST 398 - Cooperative Education/Intern. 1-6 Credits.

Offered autumn and spring. Consent of instructor required. Practical application of classroom learning through internship with governments, organizations or industry. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

ENST 410 - TEK of Indigenous Peoples. 3 Credits.

Offered autumn. Examines traditional ecological knowledge (TEK) of Indigenous peoples of North America and the world. Level: Undergraduate-Graduate

ENST 420 - US Environmental Movement. 3 Credits.

Offered Intermittently. Study of the environmental movement as a social movement. Examination of different approaches to environmental protection and restoration in view of the movement's historical roots and contemporary debates. Level: Undergraduate

ENST 427 - Social Issues: The Mekong Delta. 3 Credits.

Offered intermittently in spring. This on-campus course focuses on the history, culture, economy and environment of Vietnam, with particular emphasis on the Mekong Delta region. This is achieved through various media, class discussions, personal and group projects, and activities with the instructor and guest experts. As a prerequisite for the study abroad course to Vietnam (ENST 437), the goal of the course is to provide an understanding of the unique environments and the socio-economy of the Mekong Delta region to facilitate learning about the effects of climate change on these complex natural and anthropogenic systems. Co-convenes with ENST 514. Level: Undergraduate

ENST 430 - Culture & Agriculture. 3 Credits.

Offered intermittently. Surveys treatment of farmers and farming in the humanities. Course covers specific agricultural crops and their effect on social and environmental history, artistic commentary on agricultural life and farmer philosophy. Themes range from agriculturally influenced historical events to Wendell Berry's poetry to Albert Borgmann's philosophy. Level: Undergraduate-Graduate

ENST 437 - Climate Change: Mekong Delta. 1 Credit.

Offered intermittently. Prereq., ENST 427. This study abroad course focuses on the threats posed by climate change in Vietnam, with particular emphasis on the Mekong Delta region. This is achieved through lectures from Can Tho University professors, active participation in field trips, the homestay, course readings, and synthesis through questions sets and discussions provided by University of Montana instructor. The goal of this course is to provide an understanding of the potential impacts of climate change on the ecosystems and people of the Mekong Delta, and explore opportunities for people to adapt to and mitigate these impacts. Co-convenes with ENST 516. Level: Undergraduate

ENST 472 - General Science: Conservation Education. 3 Credits.

Offered autumn and spring. Prereq., admission to the Teacher Education Program. A study of the foundations of environmental science and conservation education with applications to community service and teaching. Level: Undergraduate

ENST 476 - Community Sustainability in Practice. 3 Credits.

Offered spring. Prereq., open to juniors, seniors, and graduate student only or by consent of instructor. Project-based, capstone-like course that develops student sustainability practice, leadership and environmental citizenship competencies. Level: Undergraduate-Graduate

ENST 480 - Food Justice and Sustainability. 3 Credits.

Offered spring. Seminar course that examines the social justice, economic, and sustainability dimensions of the contemporary food system with a focus on the United States. Develops student understanding of the dominant food system and emerging alternatives. Level: Undergraduate-Graduate

ENST 487 - Globalization, Justice & Environment. 3 Credits.

Offered autumn. Prereq., WRIT 101 or equivalent. Study of current trends in economic globalization and its effects on efforts to work for social justice and environmental sustainability, particularly in the Global South. Examination of different models and theories of globalization, analysis of ethical issues raised, and assessment of alternatives proposed. Level: Undergraduate-Graduate
Gen Ed Attributes: Writing in the Disciplines

ENST 489S - Environmental Justice Issues & Solutions. 3 Credits.

Offered autumn. Examination of evidence, causes and consequences of social inequality in the distribution of environmental risks and in access to natural resources and environmental amenities. Community, government and industry responses and service approaches for addressing environmental inequities. Course co-convenes with ENST 589. Level: Undergraduate-Graduate
Gen Ed Attributes: Social Sciences

ENST 491 - Special Topics/Experimental Courses. 1-12 Credits.

(R-12) Offered intermittently. May be restricted to EVST majors.

May require consent of instructor. Experimental offerings of visiting professors, of new courses, or one-time offerings of current topics. Level: Undergraduate-Graduate

ENST 492 - Independent Study. 1-6 Credits.

(R-6) Offered autumn and spring. Consent of instructor required. Course material appropriate to the needs and objectives of the individual student. Level: Undergraduate

ENST 493 - Study Abroad: Environmental Justice Latin America. 3 Credits.

Offered intermittently. Two week travel seminar to one or more Latin American countries to examine Latin American perspectives on environmental justice and efforts toward sustainable development within the context of the global economy and U. S. foreign policy. Required one-credit seminar offered spring semester to provide background readings. Level: Undergraduate-Graduate

ENST 494 - Seminar/Workshop. 1-3 Credits.

(R-6) Offered intermittently. May be restricted to EVST majors. May require consent of instructor. A seminar on a current environmental topic. Level: Undergraduate-Graduate

ENST 495 - Field Work/Practicum. 1-3 Credits.

(R-6) Offered intermittently. May be restricted to EVST majors. Organized field experience or practicum in Environmental Studies. Level: Undergraduate-Graduate

ENST 499 - Senior Thesis/Capstone. 3 Credits.

Offered intermittently. Prereq., senior standing in EVST. For seniors who want to design and perform a significant capstone project involving research and/or service. Students have responsibility for designing their projects which are subject to faculty approval. A final report and public presentation are required. Honors credit available. Level: Undergraduate

ENST 505 - Earth Storytelling: Nature, Climate, Resistance. 3 Credits.

Offered intermittently. Registration requires graduate standing. This seminar considers works of environmental literature, from the perspective of both creators and critics. We will examine works of fiction, essay, memoir, literary journalism, science fiction, poetry, and film that interrogate the human relationship with nature, climate change, and racial justice. We will look both at the writer's craft as well as overarching thematic concerns. Level: Graduate

ENST 510 - Environmental Issues of Indigenous Peoples. 3 Credits.

Offered intermittently. This graduate seminar provides an overview of environmental issues of Indigenous peoples from the 19th to 21st centuries. Level: Graduate

ENST 513 - Natural Resource Conflict Resolution. 3 Credits.

Offered autumn. Same as NRSM 513 and LAW 613. Prereq., graduate standing. Examines the basic framework for preventing and resolving natural resource and environmental conflicts in America. Reviews the history of alternative approaches, emphasizes the theory and practice of collaboration, and considers future trends. This highly interactive course uses lectures, guest speakers, case studies, and simulations. Level: Graduate

ENST 514 - Social Issues: The Mekong Delta. 3 Credits.

Offered intermittently in spring. This on-campus course focuses on the history, culture, economy and environment of Vietnam, with particular emphasis on the Mekong Delta region. This is achieved through various media, class discussions, personal and group projects, and activities with the instructor and guest experts. As a prerequisite for the study abroad course to Vietnam (ENST 516), the goal of the course is to provide an understanding of the unique environments and the socio-economy of the Mekong Delta region to facilitate learning about the effects of climate change on these complex natural and anthropogenic systems. Co-convenes with ENST 427. Level: Graduate

ENST 515 - Environmental Negotiation Mediation. 3 Credits.

Offered intermittently. Same as COMX 515, LAW 519 and NRSM 515. Prereq., graduate standing. This course prepares students to effectively engage in multiparty negotiation on natural resource and environmental issues. It is grounded in theory and provides an opportunity to develop practical skills in both negotiation and facilitation/mediation. Guest speakers, case studies, and simulations allow students to develop, test, and refine best practices. The course is fast-paced, highly interactive, and serves as the second of three required courses in the Natural Resources Conflict Resolution Program. Level: Graduate

ENST 516 - Climate Change: Mekong Delta. 1 Credit.

Offered intermittently. Prereq., ENST 514. This study abroad course focuses on the threats posed by climate change in Vietnam, with particular emphasis on the Mekong Delta region. This is achieved through lectures from Can Tho University professors, active participation in field trips, field data collection, analysis and interpretation, the homestay, course readings, independent graduate research, and synthesis provided by University of Montana professors. The goal of this course is to provide an understanding of the potential impacts of climate change on the ecosystems and people of the Mekong Delta, and explore opportunities for people to adapt to and mitigate these impacts. Co-convenes with ENST 437. Level: Graduate

ENST 519 - Foundations of Change. 1 Credit.

Offered autumn. Prereq., graduate standing in Environmental Studies. Designed for the first-year graduate cohort in Environmental Studies, this foundational course aims to strengthen participants' capacities to effectively meet today's environmental and social justice challenges. Participants explore their own sense of personal purpose, plan their degrees, and develop leadership skills and community. Level: Graduate

ENST 521 - Foundation in Environmental Education. 3 Credits.

Offered autumn. Prereq., graduate standing in environmental studies. Same as C&I 521. Problem-solving approaches to environmental education; problem identification, research and design and implementation of an educational approach to selected environmental issues. Level: Graduate

ENST 530 - The Greening of Religion. 3 Credits.

Offered yearly. A critical examination of different religious traditions' views on nature and society, and contemporary religious traditions' responses to environmental issues. Level: Graduate

ENST 535 - Local Climate Solutions. 3 Credits.

Offered intermittently. This course seeks to develop students' understanding and skills for participating in local solutions to climate change that can also support broader conservation, efficiency and sustainability efforts. This will be accomplished by engaging in planning and carrying out group projects that further advance existing climate change mitigation or adaptation efforts. Level: Graduate

ENST 537 - Building Effective Environment Organizations. 3 Credits.

Offered intermittently. Prereq., graduate standing. Focus on the tasks and skills necessary to building and managing effective environmental organizations, particularly non-profit. Budgeting, fund-raising, grant-writing, attracting and utilizing volunteers, working with the media. Strategic approaches and how they are shaped by issue, context, and structure. Level: Graduate

ENST 542 - Conservation Without Borders. 3 Credits.

Offered intermittently in autumn. Prereq., graduate standing in environmental studies program. Review of the political systems and administrative systems of each country relevant to natural resource policy decision-making and ecological systems. Study theory of integration of conservation with management such as common pool resource management, transboundary protected areas and international agreements. Review pertinent literature, interact with stakeholders, and produce group reports. Level: Graduate

ENST 548 - Supervision and Teaching Environmental Education. 3 Credits.

Offered intermittently. Design, selection and evaluation of materials for the teaching of environmental education. Level: Graduate

ENST 555 - Research Methods for Social Change. 3 Credits.

Offered intermittently. Prereq., graduate standing. Introduction to qualitative methods of research design, data collection, and analysis. Emphasis on research that facilitates and documents social change processes. Hands-on research experience through fieldwork projects. Includes instruction on writing social science and on research ethics. Level: Graduate

ENST 560 - Environmental Impact Analysis. 3 Credits.

Offered intermittently. Prereq., graduate standing or consent of instructor. Covers legal and scientific aspects of the Environmental Impact Analysis (EIA) including: What is required by international, national and state law and regulations? How does one organize an effective interdisciplinary team research effort and public participation program? What scientific tools are used in EIA? How could EIA process be improved? Level: Graduate

ENST 561 - Land Use Law. 3 Credits.

Offered autumn. Same as GPHY 561 and LAW 687. Prereq., graduate standing. Basic overview of the law of land use planning including background in the traditional governmental regulatory, proprietary, and fiscal land use tools. Examination of modern techniques for land use planning; consideration of constitutional limits of authority of state and local governments. Focus on skills in interpreting, drafting and applying state legislation and local ordinances. Level: Graduate

ENST 563 - Introduction to Environmental Law. 3 Credits.

Offered autumn. Same as LAW 650. Philosophy and values underlying environmental regulation, basic introduction to administrative law, in-depth study of air and water pollution and the environmental policy acts. Level: Graduate

ENST 565 - Public Land & Resources Law. 3 Credits.

Offered spring. Prereq., graduate standing in EVST and consent of instr. Same as LAW 654. Historical development of United States public land law, state-federal relations, and the roles of Congress, the executive and the courts; the law applying to specific public land resources: water, minerals, timber, range, and preservation. Level: Graduate

ENST 567 - Water Law. 3 Credits.

Offered spring. Same as LAW 663. Prereq., graduate standing. Interstate water problems; federal/state powers; federal/Indian water rights/Montana water law. Level: Graduate

ENST 570 - Ethics & Restoration. 3 Credits.

Offered autumn. Prereq., graduate level or consent of instr. A critical examination of the ethical issues that emerge in the field of ecological restoration, and decisions to manipulate nature intentionally for social and ecological goals. Level: Graduate

ENST 573 - Environmental Writing. 3 Credits.

(R-6) Offered autumn. Registration requires graduate standing and consent of instructor. Writing workshop designed to improve skills in writing on environmental topics for general audiences. Approaches include personal narrative, natural history, science interpretation, advocacy/argument, place-based essays. Includes analysis of published work from the perspective of technique and craft. Level: Graduate

ENST 579 - Practicum in Collaborative Conservation. 3 Credits.

(R-4) Offered every semester. Same as NRSM 579 and LAW 679. Prereq., ENST 513, LAW 613, or NRSM 513 or consent of instructor. Designed as the capstone experience of the Natural Resources Conflict Resolution Program. Provides practical experience in multi-party collaboration and conflict resolution. Students may design their own project in consultation with the director of the NRCR Program, or participate in a project organized and convened by faculty. Projects may be conducted year-round. Level: Graduate

ENST 580 - The Politics of Food. 3 Credits.

Offered intermittently. This seminar explores social, economic, and ecological issues related to the contemporary food and agricultural system and alternatives to that system. Level: Graduate

ENST 589 - Environmental Justice Issues and Solutions. 3 Credits.

Course co-convenes with ENST 489S. Course examines how and why environmental burdens, amenities, and services are inequitably distributed among various segments of society and approaches to addressing environmental inequalities and discrimination in environmental decision making. Level: Graduate

ENST 590 - Research. 1-12 Credits.

(R-12) Offered autumn and spring. Restricted to graduate students in Environmental Studies. Requires consent of instructor. Directed individual graduate research and study appropriate to background and objectives of the student. Level: Graduate

ENST 591 - Special Topics. 1-6 Credits.

(R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ENST 592 - Independent Study. 1-12 Credits.

(R-12) Offered autumn and spring. Restricted to graduate students in Environmental Studies. Requires consent of instructor. Course material appropriate to the needs and objectives of the individual student. Level: Graduate

ENST 594 - Graduate Seminar. 1-15 Credits.

(R-15) Offered autumn and spring. Prereq., graduate standing. May be restricted to EVST majors. May require consent of instructor. In-depth analysis of a current environmental topic. Different topics offered each semester. Level: Graduate

ENST 595 - Supervised Internship PEAS. 8 Credits.

(R-8) Offered Spring and autumn for 2 credit and as a summer intensive course for 3 credit. Restricted to graduate students. Students learn small scale sustainable vegetable farming in a hands-on work environment at the PEAS farm (a 15 minute bike ride from campus). Lectures, readings, and reflection inform the work. Summer students also visit local farms on once-a-week field trips. This course is repeatable as the curriculum changes across the season, and students can attend any semester, though the 3-credit graduate level summer intensive course is the heart of the program. Level: Graduate

ENST 598 - Internship. 1-8 Credits.

(R-8) Offered autumn and spring. Prereq., graduate standing in EVST and consent of instructor. Practical application of classroom learning during placements off campus. Level: Graduate

ENST 599 - Thesis/Professional Paper. 1-6 Credits.

(R-6) Offered autumn and spring. Restricted to graduate students in Environmental Studies. Preparation of a thesis, manuscript, or professional paper based on research for presentation and/or publication. Level: Graduate