

ENVIRONMENTAL STUDIES (ENST)

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 autumn and spring. Students learn how to find, evaluate and use existing information to increase understanding of environmental issues and resolve controversies. Students will research a subject using a variety of sources (refereed literature, government sources, internet sources, interviews); evaluate sources critically; write a literature review and give an oral presentation on their topic. Focus is on critical thinking and dealing with the information explosion.

Gen Ed Attributes: Writing Course-Intermediate

ENST 225 - Community & Environment. 3 Credits.

Offered autumn. Same as SOCI 225. Exploration of the ways that communities address their environmental concerns. Introduction of relevant social science concepts.

ENST 230H - Nature and Society. 3 Credits.

UM campus course offered spring. 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 & Cultural Studies

ENST 231H - Nature and Society. 3 Credits.

Offered intermittently. Offered at Missoula College. Prereq., WRIT 101. 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 & Cultural Studies, Writing Course-Intermediate

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.

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 spring. 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 Course

ENST 335L - The Environmental Vision. 3 Credits.

Offered autumn. Provides background, overview, interpretations, and understanding of key concepts, themes, approaches, and forms in American nature and environmental nonfiction as well as that literature's response to and influence on environmental events, figures, and movements.

Gen Ed Attributes: Lit & Artistic Studies (L), Writing Course-Advanced

ENST 367 - Environmental Politics & Policies. 3 Credits.

Offered autumn. 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 Course-Advanced

ENST 373A - Nature Works. 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, awareness and sensitivity. Reading and responding to published work, primarily from the perspective of technique and approach.

Gen Ed Attributes: Expressive Arts Course (A)

ENST 382 - Environmental Law. 3 Credits.

Offered spring. 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 Course-Advanced

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: Env. 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). 10.000 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 Native Peoples. 3 Credits.

Offered intermittently. Examines traditional environmental knowledge (TEK) of Native peoples with a special focus on ancient peoples of the Northern Great Plains.

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.

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

The course focuses on the history, culture, economy and environment of Vietnam, with particular emphasis on the Mekong Delta region. This is achieved through lectures from local professors at Can Tho University, active participation in field trips, the home stay, course readings, and synthesis through questions sets and discussions provided by University of Montana instructor. The goal of this half of the Vietnam study abroad program 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.

ENST 430 - Culture & Agriculture. 3 Credits.

Offered spring, from start of semester to mid-April. 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.

ENST 437 - Climate Change: Mekong Delta. 3 Credits.

This 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 half of the Vietnam study abroad program 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.

ENST 472 - Gen Sci: 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.

ENST 476 - Environmental Citizenship. 3 Credits.

Offered spring. Prereq., open to juniors and seniors only or by consent of instructor. Same as CCS 476. Develops leadership and environmental citizenship skills, values and virtues through student-initiated projects informed by principles of organizing and sustainable behavior change theories of social marketing.

ENST 480 - Food, Agriculture, Environment. 3 Credits.

Offered spring. Exploration of the premise that agricultural sustainability requires practices, policies, and social arrangements that balance concerns of environmental soundness, economic viability, and social justice among all sectors of society.

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

Offered autumn. 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.

Gen Ed Attributes: Writing Course-Advanced

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.

Gen Ed Attributes: Social Sciences Course (S)

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.

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.

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.

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.

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.

ENST 505 - Literature of Nature Writing. 3 Credits.

Offered spring. Prereq., graduate standing. Study of nature, environmental, and place-based writing, with emphasis on the American tradition and its relationship to twenty-first century environmental concerns, challenges, and opportunities, and to the current practice of nature and environmental writing. Level: Graduate

ENST 510 - Native American Environmental Issues. 3 Credits.

This graduate readings seminar provides an overview of environmental issues of Native American communities through 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.

This course focuses on the history, culture, economy and environment of Vietnam, with particular emphasis on the Mekong Delta region. This is achieved through lectures from local professors at Can Tho University, active participation in field trips, the home stay, course readings, independent graduate research, and synthesis through questions sets and discussions provided by University of Montana instructor. The goal of this half of the Vietnam study abroad program 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 NRSM 515 and COMX 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. 3 Credits.

This 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 half of the Vietnam study abroad program 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: Graduate

ENST 519 - Foundations of Change. 3 Credits.

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. Our incoming cohort (around 20-25 in recent years) includes students from a wide variety of backgrounds. The course provides an introduction to the history and development of the environmental movement(s), as well as a theoretical understanding of democracy, citizenship, power, and social change. Participants will also explore their own sense of personal purpose and develop community. Level: Graduate

ENST 520 - Environmental Organizing. 3 Credits.

Offered intermittently. Prereq., graduate standing. Developing understanding of and skills in community and environmental organizing. Emphasis on theory and practice of civic engagement and social change with a focus on developing and running campaigns and working in a group. Team projects. 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. Prereq., graduate standing in EVST. 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 564 - Advanced Environmental Law. 3 Credits.

Offered autumn. Prereq., graduate standing in EVST. Same as LAW 649. In-depth study of the laws addressing toxic substances and solid and hazardous waste, and the Endangered Species Act. Exploration of interaction between land use regulation and environmental law. 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 yearly. 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.

Offered autumn. Prereq., graduate standing. 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 - Collaborative Conservation. 3 Credits.

(R-4) Offered every semester. Same as NRSM 579. Prereq., ENST 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 590 - Supervised Internship PEAS. 8.000 Credits.

(R-8) Spring and autumn, 2 cr.; summer intensive, 3 cr. Prereq., graduate standing. 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 a once-a week field trips. PEAS is repeatable, as the curriculum changes across the season, and students can attend any semester, though the 3 credit (grad level) summer intensive course is the heart of the program. 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 593 - Professional Paper. 1-6 Credits.

(R-6) Offered autumn and spring. Prereq., graduate standing in EVST and consent of instructor. Preparation of a professional paper 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 - Special Topics. 9.000 Credits.

(R-9) Offered autumn and spring. Prereq., graduate standing. 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: Graduate

ENST 596 - Independent Study. 1-12 Credits.

(R-12) Offered autumn and spring. Prereq., graduate standing in EVST and consent of instructor. Work on selected problems by individual students under direct faculty supervision. Level: Graduate

ENST 597 - Research. 1-12 Credits.

(R-12) Offered autumn and spring. Prereq., graduate standing in EVST and consent of instructor. Directed individual graduate research and study appropriate to background and objectives of the student. 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. 1-6 Credits.

(R-6) Offered autumn and spring. Prereq., graduate standing in EVST and consent of instructor. Preparation of a thesis or manuscript based on research for presentation and/or publication. Level: Graduate