

ENVIRONMENTAL POLICY & MANAGEMENT (GRADUATE GROUP)

Graduate Studies

Affiliated with the Institute of the Environment (<https://environment.ucdavis.edu/>)

Environmental Policy & Management (<https://epm.ucdavis.edu/>)

Director

Jessica Penrose (japenrose@ucdavis.edu), 1007 Wickson Hall, 530-752-8318

Program Coordinator

Jessica Chalfin (jrchalfin@ucdavis.edu), 1001 Wickson Hall, 530-754-1754

Program Chair

Mark Lubell (<https://epm.ucdavis.edu/people/mark-lubell/>), 530-752-5880

- Environmental Policy & Management, Master of Science (<https://catalog.ucdavis.edu/departments-programs-degrees/environmental-policy-management/environmental-policy-management-ms/>)

Environmental Policy & Management (ENV)

ENV 200A – Analysis of Environmental Management & Policy (4 units)

This version has ended; see updated course, below.

Course Description: Introduction to rational decision making for public policy problems. Modeling natural/human system interactions, data gathering and hypothesis testing. Predicting outcomes of policy options.

Prerequisite(s): Graduate standing.

Learning Activities: Lecture 4 hour(s).

Grade Mode: Letter.

ENV 200A – Climate Change Impacts, Mitigation, & Natural Resources Management (4 units)

Course Description: Major topics in environmental sciences, with emphasis on climate change impacts on natural and human managed systems.

Prerequisite(s): Graduate standing.

Learning Activities: Lecture 4 hour(s).

Grade Mode: Letter.

This course version is effective from, and including: Winter Quarter 2024.

ENV 200B – Environmental Policy Evaluation (4 units)

Course Description: Method and practice, philosophical basis, and political role of policy analysis. Reviews basic concepts from economic theory; how and why environmental problems emerge in a market economy; and tools necessary for solving environmental problems.

Learning Activities: Lecture 4 hour(s).

Enrollment Restriction(s): Restricted to Graduate Standing.

Cross Listing: ECL 212B, ESP 212B.

Grade Mode: Letter.

ENV 200C – Social Ecological Systems (4 units)

Starting Winter Quarter 2024, this course is no longer offered.

Course Description: Introduction to the concept of social ecological systems with applications to the field of environmental policy. Develops critical analysis skills, understanding links between social and environmental systems, and an ability to understand resilience of social ecological systems in face of change.

Learning Activities: Lecture 3 hour(s), Discussion 1 hour(s).

Enrollment Restriction(s): Restricted to Graduate Standing.

Grade Mode: Letter.

ENV 200CN – Environmental Governance (4 units)

Course Description: Theories of environmental governance and their practical applications in solving modern environmental problems.

Application of governance theory to choice of real-world case studies of environmental problems.

Learning Activities: Lecture/Discussion 4 hour(s).

Grade Mode: Letter.

ENV 201 – Environmental Law (4 units)

Course Description: Roles of legislatures, agencies, and courts in creating and interpreting law; legal strategies for addressing environmental problems; major environmental statutes; and the relationship between federal and state/local legal authority.

Prerequisite(s): Graduate standing; consent of instructor.

Learning Activities: Lecture 4 hour(s).

Enrollment Restriction(s): Pass One restricted to Environmental Policy & Management graduate students.

Grade Mode: Letter.

ENV 202 – Policy Development & Implementation (4 units)

Course Description: Environmental policy development and implementation processes: developing and enacting legislation, regulation development and review, and implementation of new laws. California state processes. Local, federal, and international policy. Business' role in climate policy. Theory, applied study, discussion with guest experts, and practical skills such as how to write for a policy audience.

Learning Activities: Lecture 4 hour(s).

Enrollment Restriction(s): Pass one restricted to Environmental Policy & Management students.

Grade Mode: Letter.

ENV 203A – Environmental Policy Clinic (4 units)

This version has ended; see updated course, below.

Course Description: Teams of students analyze environmental policy problems and natural resources issues from scientific, legal, and economic perspectives. Hands-on learning partnering with a client organization.

Prerequisite(s): Consent of instructor.

Learning Activities: Laboratory 6 hour(s).

Enrollment Restriction(s): Open to graduate students in Environmental Policy & Management only.

Grade Mode: Letter.

ENV 203A – Environmental Policy Clinic (4 units)

Course Description: Teams analyze environmental policy problems and natural resources issues from scientific, legal, and economic perspectives. Hands-on learning partnering with a client organization.

Prerequisite(s): Consent of instructor.

Learning Activities: Lecture 1 hour(s), Project.

Enrollment Restrictions: Open to graduate students in Environmental Policy & Management only.

Grade Mode: Letter.

This course version is effective from, and including: Summer Session 1 2024.

ENV 203B – Environmental Policy Clinic (4 units)

This version has ended; see updated course, below.

Course Description: Teams of students analyze environmental policy problems and natural resources issues from scientific, legal, and economic perspectives. Hands-on learning partnering with a client organization. A continuation of ENV 203A.

Prerequisite(s): ENV 203A B- or better; or consent of instructor.

Learning Activities: Laboratory 6 hour(s).

Enrollment Restriction(s): Open to graduate students in Environmental Policy & Management only.

Grade Mode: Letter.

ENV 203B – Environmental Policy Clinic (4 units)

Course Description: Teams analyze environmental policy problems and natural resources issues from scientific, legal, and economic perspectives. Hands-on learning partnering with a client organization. Continuation of ENV 203A.

Prerequisite(s): ENV 203A B- or better; or consent of instructor.

Learning Activities: Lecture 1 hour(s), Project.

Enrollment Restrictions: Open to graduate students in Environmental Policy & Management only.

Grade Mode: Letter.

This course version is effective from, and including: Summer Session 1 2024.

ENV 203P – Policy Clinic Prep Seminar (1 unit)

Course Description: Introductions to project management, conflict resolution and team building. Review and selection of project proposals and draft scope of work.

Prerequisite(s): Consent of instructor.

Learning Activities: Seminar 1.5 hour(s).

Enrollment Restriction(s): Open to Environmental Policy & Management students only.

Repeat Credit: May be repeated 2 time(s) with consent of instructor; generally, students only repeat seminar if they do not successfully complete ENV 203A or ENV 203B.

Grade Mode: S/U only.

ENV 224 – Data Management & Visualization in R (3 units)

Course Description: Introduction to programming and data analysis in R. Workflow (version control, markdown, reading and writing data), object-oriented programming, statistical analysis, and visualization.

Learning Activities: Lecture 2 hour(s), Laboratory 2 hour(s).

Cross Listing: ECL 224.

Grade Mode: Letter.

ENV 290 – Seminar (1 unit)

This version has ended; see updated course, below.

Course Description: Environmental justice and equity within the environmental field. Climate justice, energy, land use and urban planning, air pollution, politics and theory, and other environmental justice focused issues.

Learning Activities: Seminar 1 hour(s).

Repeat Credit: May be repeated for credit when topic differs.

Grade Mode: Satisfactory/Unsatisfactory only.

ENV 290 – Seminar (1 units)

Course Description: Varied topics in environmental policy and management. May feature guest speakers.

Learning Activities: Seminar 1 hour(s).

Repeat Credit: May be repeated for credit when topic differs.

Grade Mode: Satisfactory/Unsatisfactory only.

This course version is effective from, and including: Summer Session 1 2024.

ENV 292 – Graduate Internship (1-12 units)

Course Description: Individually designed supervised internship, off campus, in community or institutional setting. Developed with advice of faculty mentor.

Prerequisite(s): Consent of instructor.

Learning Activities: Internship 1-12 hour(s).

Repeat Credit: May be repeated.

Grade Mode: Satisfactory/Unsatisfactory only.

ENV 296 – Environmental Policy & Management Practicum (2-6 units)

Course Description: Practicum experience integrating coursework into an applied professional setting.

Prerequisite(s): Consent of instructor.

Learning Activities: Internship 0.50 hour(s).

Repeat Credit: May be repeated.

Grade Mode: Satisfactory/Unsatisfactory only.

ENV 297 – Professional Development Seminar (1 unit)

Course Description: Weekly seminar inviting policy and management professionals to come and discuss their challenges and achievements.

Prerequisite(s): Graduate standing.

Learning Activities: Seminar 1.50 hour(s).

Repeat Credit: May be repeated 6 unit(s).

Grade Mode: Satisfactory/Unsatisfactory only.

ENV 298 – Group Study (1-5 units)

Course Description: Group Study.

Learning Activities: Variable 1-5 hour(s).

Repeat Credit: May be repeated when topic differs.

Grade Mode: Letter.

ENV 299 – Research (1-12 units)

Course Description: Individual study under the direction of a faculty member.

Learning Activities: Variable 1-12 hour(s).

Repeat Credit: May be repeated.

Grade Mode: Satisfactory/Unsatisfactory only.