



THE UNIVERSITY OF VERMONT
ENVIRONMENTAL PROGRAM

SPRING 2019

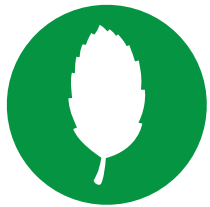
COURSE VIEWBOOK

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Interdisciplinary approach to understanding.



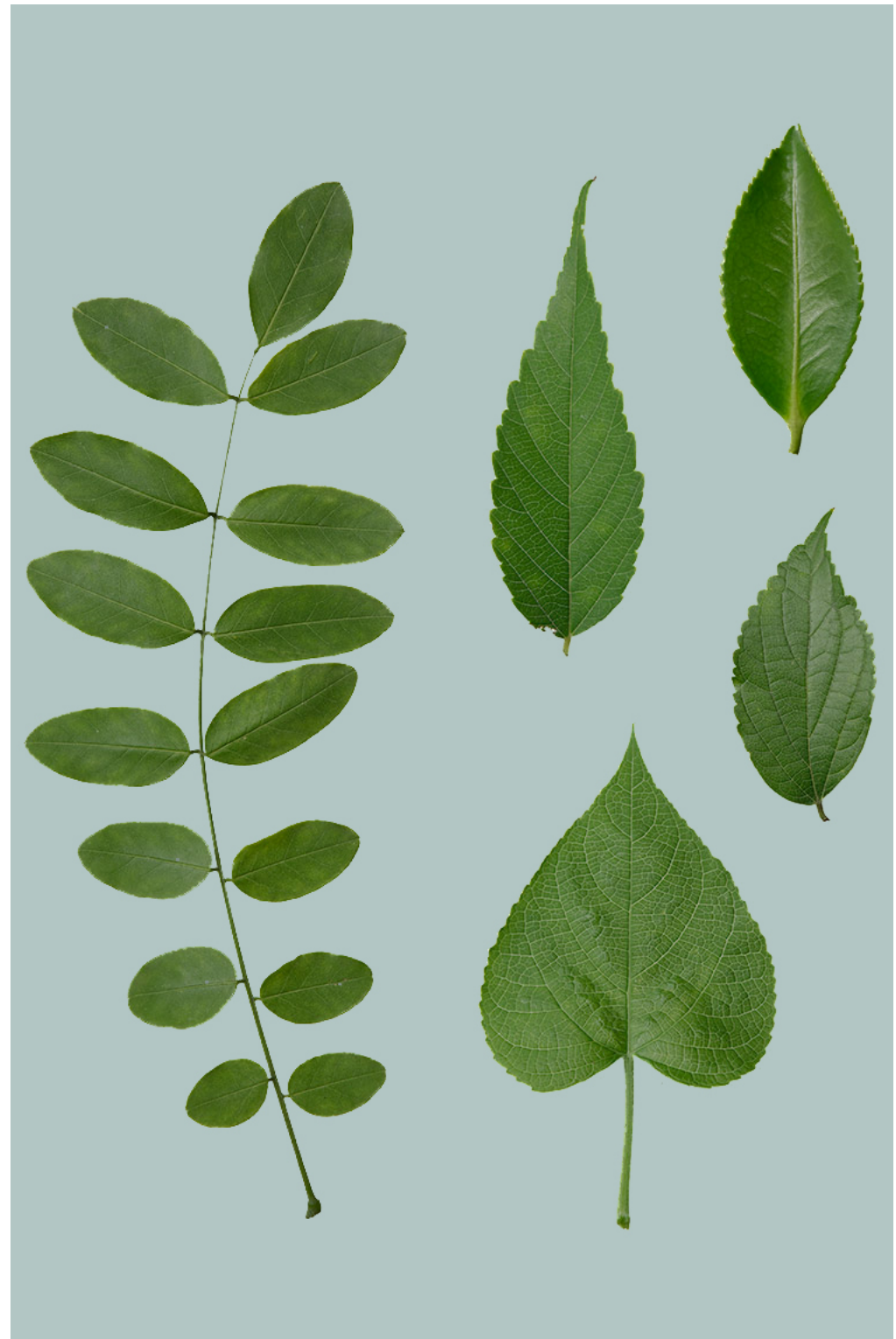
Commitment to high-impact experiential learning.



Joy of creative teaching.
Catalysts for change.



Sustainability in all things





TATIANA ABATEMARCO

**9:40am - 10:30am
Monday, Wednesday, Friday**

**See the schedule of courses for
available lab times.**

Multidisciplinary analysis of the interaction of global and local variables in understanding and solving pervasive environmental problems.

Prerequisite: First-Year/Sophomore standing.

Lecture + lab, 4 Credits, CRN 10275





**WALT
KUENTZEL**



**DAVE
KESTENBAUM**



This course will provide students with a general orientation to Costa Rica and serve as a group building educational experience. It will set the tone for the semester by introducing the academic concepts and theories from the sustainability literature and then bringing students in contact with a variety of real world situations where these concepts are being applied. Locations have been selected to provide a diversity of natural environments and social contexts to illustrate the complexities and challenges of sustainable development practices.

Travel Study, 3 Credits, CRN 14028

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KEVIN CHU

1:15pm - 2:30pm
Tuesday, Thursday

This course provides guidance for environmental studies students to pursue educational enhancement opportunities. Students will learn academic planning skills, network with campus partners, and engage with the community beyond UVM.

Prerequisite: ENVS 001 & ENVS 002



CHRISTINE VATOVEC

4:05m - 7:05pm
Monday



An introduction to "environmental health." Topics include: methods (toxicology, epidemiology) environmental health hazards (physical, biological, chemical) and supports (nature contact), risk analysis, communication and management, health and climate change, food production and access, energy production, and water.

Prerequisite: sophomore standing

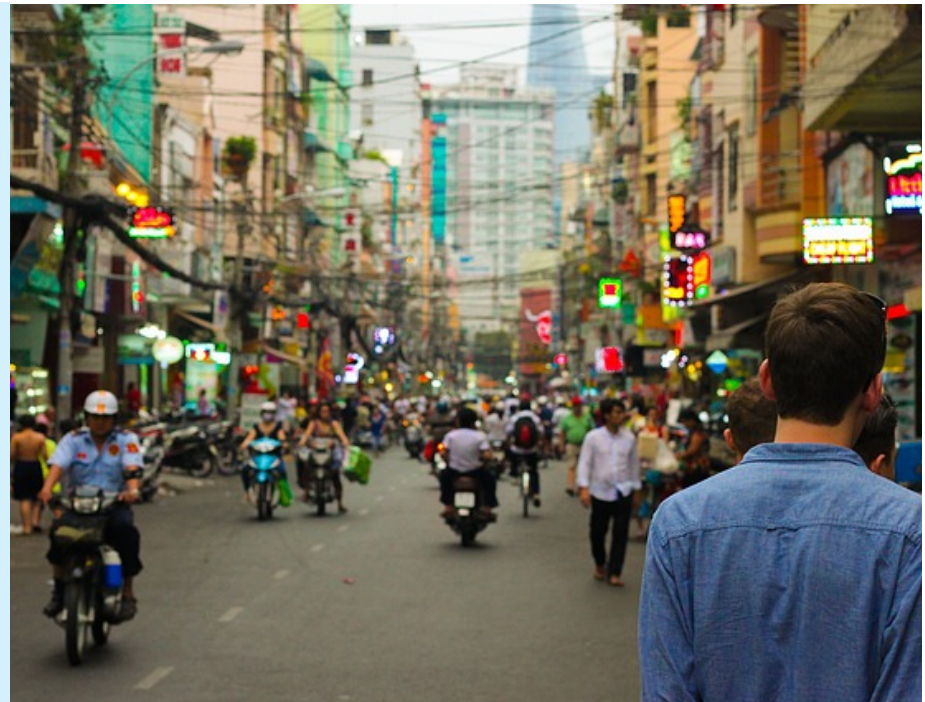
Lecture, 3 Credits, CRN 14028

HARLAN MOREHOUSE

3:30pm - 4:30pm
Monday, Wednesday

Human-environment interactions under globalization. The politics of using particular ideas of 'nature' for the benefit of some and to the detriment of others in spaces from local backyards to global contexts. Environmental movements and livelihoods.

Prerequisite: GEOG 040; GEOG 050 or GEOG 070.





This is a travel study course during spring break from 3/9 to 3/17. Additional fees and requirements do apply.

Please email the instructors for more information.

Nicholas Shear
Monique McHenry

A hands-on exploration of the unique biodiversity found in the tropical Andes and the Galapagos Islands. Students will contemplate ideas of how this great diversity came to be and learn about current conservation efforts in place that aim to protect this diversity.

Prerequisite: One of the following: ENVS 001, ENVS 002, NR 001, NR 002, ENSC 001.

Travel Study, 3 credits, CRN 15617

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We will explore each of the fundamental principles underlying the permaculture paradigm. Skills and techniques for “reading the landscape,” developing site-responsive design, and representing interpretations and plans through visual maps and public presentations will be developed through a collaborative design by students in groups.

Prerequisite: 3 credits in biology or ecology.

This course meets Tuesday and Thursday from 1:15pm - 2:30pm. You must also sign up for lab from 2:50-4:05 on either Tuesday (CRN 15627) or Thursday (CRN 15628).

Instructor: Annie S. White

ROB WILLIAMS JR.



1:15pm - 2:30pm
Tuesday, Thursday

The role and influence of nature on global human history and how people and cultures have influenced the natural world around them.

Prerequisite: ENVS 002 or NR 002. May not be taken concurrently with or following receipt of credit for HST 067 since course requirements partially overlap.

Lecture, 3 credits, CRN 15577

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Current approaches and problems in environmental ethics drawing on philosophy and case studies in animal rights, land ethics, deep ecology, wilderness protection, and human rights.

Prerequisite: One of the following: ENVS 001, ENVS 002, NR 001, NR 002, ENSC 001.

Lecture, 3 credits, CRN 15591

This course meets Monday, Wednesday, and Friday from 8:30am - 9:20am. It is a cross-listed course with PHIL 010. Combined total enrollment is 50.

Instructor: Michael Ashooh

BRENDAN FISHER

10:05am - 11:20am
Tuesday, Thursday



The study of sustainability integrating natural and social science perspectives. Topics include theories of ecological adaptation and resilience, sustainability assessment methods, emerging technologies and applications.

Prerequisite: One of the following: ENVS 001, ENVS 002, NR 001, NR 002, ENSC 001.

Lecture, 3 Credits, CRN 11340



Internship: On-site supervised work experience combined with a structured academic learning plan

Independent Study: Tailored to fit the interests of a specific student, which occurs outside the traditional classroom setting.

Undergraduate Research: Undergraduate student work on individual or small team research projects under the supervision of a faculty member,

Instructor permission is required to enroll in credits for any of these three options.

Credits vary based on the scope of proposed experiences.

Please email [Amy Seidl](mailto:Amy.Seidl@unh.edu) with any questions.

TRISH O'KANE

**4:25pm - 5:40pm
Tuesday, Thursday**



Students will develop skills for interpreting media, and for contributing ideas to shape public discourse. Activism happens in many forms, and it is a necessary skill for delivering positive policy change related to the environment and social justice.

Prerequisite: One of the following: ENVS 001, ENVS 002, NR 001, NR 002, ENSC 001.

Lecture, 3 Credits, CRN 12986

BINDU PANIKKAR

3:30pm - 4:45pm
Monday, Wednesday



Technological advances continue to shape our societies, our relationships with each other, and our interactions with the world around us. Solutions can create new problems. Explore the shifting dynamics environmentalism in the context of health and technology.

Prerequisite: One of the following: ENVS 001, ENVS 002, NR 001, NR 002, ENSC 001.

Lecture, 3 Credits, CRN 12986

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Tropical Ecology: Using a combination of lectures, natural history walks, and data-collecting field problems, students will gain extensive, first-hand experience with the rich biological diversity that supports resident livelihoods on the Osa Peninsula and at the same time draws an increasing number of tourists to the region.

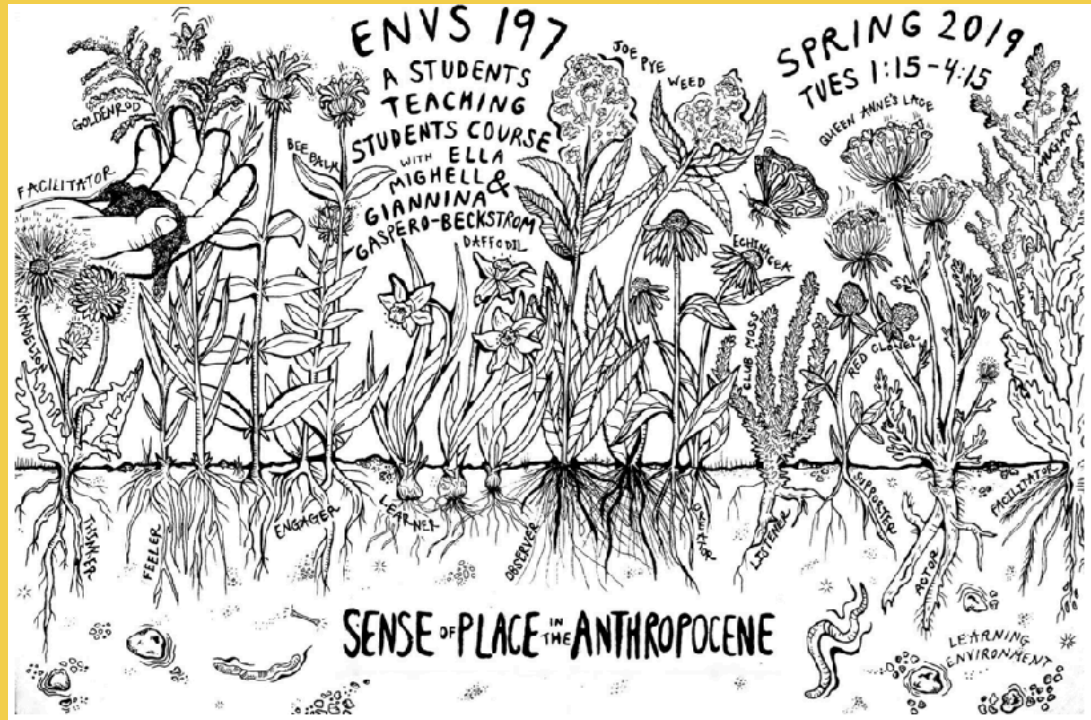
Rural Livelihoods: The course will explore the dynamics of how commodity agricultural production (timber, beef, rice, palm oil, etc.), direct foreign investment, and centralized government initiatives can interact (or interfere) with the dynamics of local entrepreneurial business development.



ELLA MIGHELL

GIANNINA
GASPERO-BECKSTROM

1:15pm - 4:15pm
Tuesday



ENVS 197 Sense of Place in the Anthropocene



This course will cultivate a sense of place that encourages environmental stewardship, support action-oriented community engagement and inspire critical consciousness. This peer-to-peer learning environment will be both academically and personally rigorous, centering social justice, experiential learning and meaningful dialogue for awareness and action.

Lecture, 3 Credits, CRN 15609

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BRENDAN FISHER

1:15pm - 2:30pm
Tuesday, Thursday

Planning, design, and methods for the senior capstone thesis or project. Includes literature review and proposal writing. This class will prepare students for both quantitative and qualitative research.

Prerequisite: ENVS 101, junior standing

Lecture, 3 Credits, CRN 11340





THE UNIVERSITY OF VERMONT ENVIRONMENTAL PROGRAM



Senior capstone thesis, project, creative arts project, or internship under faculty direction. This represents a culminating experience in the program that synthesizes prior knowledge and develops skills and experiences for future success.

Prerequisite: ENVS major, junior standing

Instructor guided, 3 credits,
CRN depends on advisor



TATIANA ABATEMARCO

9:40am - 10:30am

Monday, Wednesday, Friday

See the schedule of courses for available lab times.

The Environmental Program is looking to fill approximately 13 Teaching Assistant positions for ENVS 002, International Environmental Studies, for Spring 2018. We are expecting approximately 230 people in the class. The TA position is a paid job (\$11/hr) and you can receive up to two credits through ENVS 284, Teaching Assistantship..

Prerequisite: ENVS 002, ENVS 101, junior or senior standing. Instructor permission required.

Lecture + lab, 2 Credits, CRN 10321



BINDU PANIKKAR

5:05pm - 6:20pm
Monday, Wednesday



The intersection of environmentalism and social justice reveal shortcomings of past and current approaches to sustainability, but also point towards opportunities for future growth. Women's participation in environmentalism is necessary to protect the health of society and our planet.

Prerequisite: ENVS 001, ENVS 002, junior or senior standing only

Lecture, 3 Credits, CRN 12617

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TRISH O'KANE

4:25pm - 5:40pm
Tuesday, Thursday



Be the change you want to see in the world! This is a community-based course. By participating in an after-school birding and nature study club for kids, UVM students are laying the foundation for a university pipeline program; many Flynn and Hunt students will become first-generation college students.

Prerequisite: Instructor permission only.
Email to apply.





DAVID MASSELL

4:05pm - 7:05pm
Monday



This seminar offers a case study in globalization and its social and environmental consequences on the northern resource frontier. Quebec's Cree have occupied the James Bay region of Quebec for 5000 years. Must have passport for travel between March 23-31. \$600 trip fee.

Prerequisite: junior or senior standing only, or instructor permission.

Lecture, 3 Credits, CRN 12617

BRENDAN FISHER

3:30pm - 4:20pm
Monday

Behavioral economics applies psychological insights into human behavior to explain economic, social, and environmental decision-making. This understanding reveals possible opportunities to influence thought and action towards sustainable choices.

Prerequisite: Instructor Permission Required





JODY PRESCOTT

6:00pm - 9:00pm
Thursday



Reducing carbon emissions from energy generation is essential to slowing the increase in CO₂ in our atmosphere and hydrosphere, thereby mitigating the pace of anthropogenic climate change. Increased use of renewable energy sources is promoted as an obvious and significant part of any solution to decreasing CO₂ emissions.

Prerequisite: ENVS 001, ENVS 001, or POLS 021

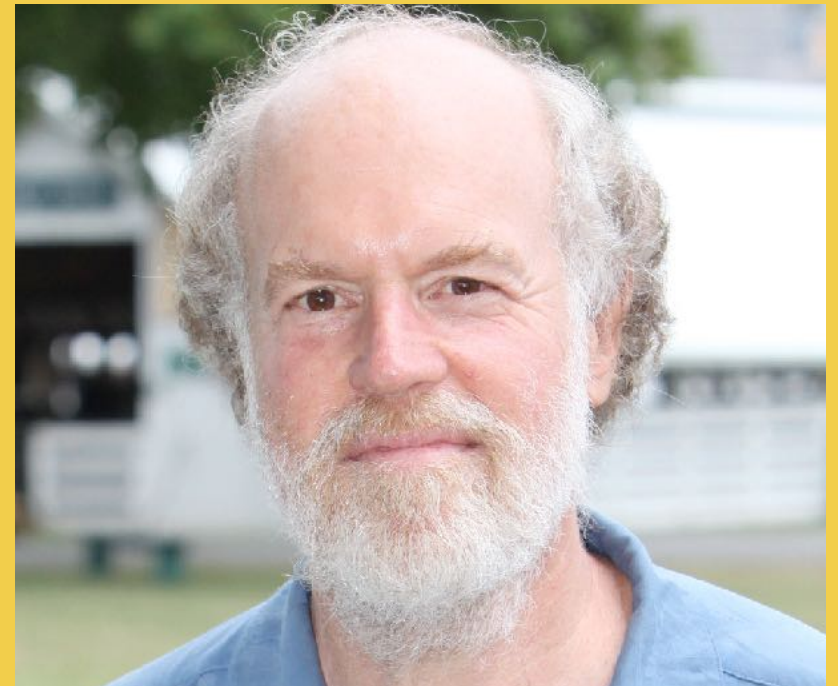
Lecture, 3 Credits, CRN 15615

BRIAN TOKAR

10:05am - 12:55pm
Thursday

Vermont has long been seen as an innovator in energy and climate policy, with pioneering efforts to increase energy efficiency and encourage the development of renewable energy resources. However the state is failing to meet legislated climate goals. This Service Learning course will immerse students in current energy and climate issues in Vermont and beyond.

Prerequisite: ENVS major, junior standing





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Managing for Sustainability: The goal of the course is to understand and apply ecosystem management principles to the complex and changing array of challenges in the Osa Peninsula region revolving around agriculture, forestry, wildlife, protected areas, tourism, fishing, ranching, mining, water quality, and transboundary issues.

Community Engagement: Students will work on a variety of community identified service learning projects such as mangrove restoration, ecotourism development, palm oil BMPs, entrepreneurial education and outreach

Travel Study, 3 Credits, CRN [14030](#) and [14031](#)

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