ENVS 151 Intermediate Environmental Studies
60910 / 3 credits / Stephanie Kaza / M, T, W, R, 9:00 am – 11:45 am / Waterman 458 / May 19 – June 13
Through the development of networking and other research skills each student in this course compiles diverse background knowledge about areas of personal environmental interest. From this knowledge are developed personal academic and activity plans. Presentations by class members and guests provide interdisciplinary context through current issues, organized advocacy, and personal and professional opportunities. FOR ENVS MAJORS ONLY. Prerequisites: ENVS 001 and 002.

ENVS/PSS 156 Permaculture (Fundamentals) (Part I), and ENVS/PSS 195 Permaculture Practicum (Part II)
ENVS 156 61084 / 3 credits / Keith Morris / TBA / Off Campus (see notes) / July 14-19, 20, and August 2-8
ENVS 195 61085 / 2 credits / Keith Morris / TBA / Off Campus (see notes) / July 14-19, 20, and August 2-8
Taken together, ENVS/PSS 156 and ENVS/PSS 195 fulfill the requirements for an internationally recognized Permaculture Design Certification Course. Part I, ENVS 156 Permaculture (Fundamentals) will cover the theory of permaculture design, including the history of permaculture and ecological design, permaculture ethics and principles, and explore the application of ecological, anthropological, ethnobiological, and evolutionary sciences to agriculture and human ecosystems, the built environment, and social and economic organization (“invisible structures”). We present a whole systems approach that integrates plants, animals, buildings, people, communities, economies, and the landscapes that surround us through careful analysis and thoughtful design. Students explore various food production, energy production, waste management, and shelter systems, and assess their potential for integration to meet human needs while improving ecosystem health.

Students enrolled in Part II, Permaculture Practicum (PSS/ENVS 195) must have successfully completed Part I, Permaculture (ENVS/PSS 156). No students will be allowed into Part II without previously completing Part I, ideally in the same semester. This is a full-time "farm and nature immersion" residential Permaculture Design Certification course, meeting at Willow Crossing Farm in Johnson, Vermont July 20 - August 1. Before and after these dates there are readings, assignments and online meetings, but students do not need to be onsite (or in Vermont). Co-requisite: PSS 195. Taken together, PSS 156 & PSS 195, are a full internationally recognized Permaculture Design Certification Course (PDS). Program Fee $550 ($300 advance deposit required) for farm-sourced and organic local meals, on-farming camping, use of boats and other equipment. Please see www.prospectrock.org for more details. Instructor permission required: contact keith.morris@uvm.edu; Cross listed w/PSS 156 BU1, and PSS 195 BU2.

ENVS 170 Environmental Art with Natural Materials
61037 / 3 credits / Susan Bray / T, W, R 9:00 am – 12:45 pm / Off Campus (see notes) / June 16 – July 11
Throughout human history and in all cultures people have created shelters, clothing, storage vessels and more using the local materials around them. In all this work we find the expression of human needs and we see the expression of human desires. In this course we will explore a variety of old world techniques; twinning, plaiting, and Japanese stone weaving using natural materials that we will gather from the surrounding area (cattails, grapevine, Virginia creeper, and more). We will be drawing inspiration from indigenous cultures worldwide and creating our own interpretations. During the course we will look at many different approaches to environmental art. Artists who reclaim and remediate damaged environments, artists who re-envision our relationship to nature, artists who inform and interpret nature and its processes, and artists who are connected with environmental forces and materials. Students will have the opportunity to work individually and in groups. Through this course students may become more aware of our environment as a source of materials, inspiration, and inquiry.

ENVS 170 Nature Drawing
60909 / 3 credits / Robert Huntoon / T, R 9:00 am – 12:45 / Lafayette L200 / June 30 – August 8
The core of this course will be our on-site drawing sessions in the field. Along the river, at UVM natural areas, in the woodlands, fields and gardens of the Intervale we will cover a range of methods and tools for translating what we observe into meaningful graphic form. Our practice will be informed by the study of the prints, journals, sketchbooks and drawings of natural history, botanical and landscape artists. We will also explore and employ some of the distinctive pictorial conventions of East-Asian and western landscape traditions. Students will be guided in advancing their confidence in drawing skills with which they will produce a portfolio of drawings and a final graphic project.

ENVS 174 Natural Areas Conservation and Stewardship
60265 / 3 credits / Rick Paradis / Online / June 16 – July 11
Natural areas serve many functions, from maintaining regional biological diversity to providing important open space for contemplative and recreational activities. Protecting and managing these areas in fragmented and human influenced landscapes is an increasingly formidable challenge. This course examines the land protection and stewardship activities of conservation organizations, land trusts, and public natural resource agencies, along with the principles of conservation biology and landscape ecology in an effort to better understand the important issues, approaches, and concerns in conserving and managing natural areas in natural and working landscapes. A premise of this course is that sound ecological thinking and information should fuel decision-making in land protection and management.
ENVS 179 D2: Ecofeminism
60266 / 3 credits / Annika Ljung-Baruth / Online / May 19 – June 13
Investigation of the parallel dominations of women and nature, through analysis and reflection on ecofeminist theory, activism, and spirituality. This class is an introduction to the developing field of ecofeminism, which is both an academic subfield or philosophy and environmental ethics and a type of activism. We will read some of the most influential writers in the field-theorists, historians, activists, and spiritual revisionists- and consider the implications of their ideas for environmental thought and analysis. We will also undertake hands-on action projects reflecting ecofeminist principles. Cross-listed with WGST 179.

ENVS 195 Plant-Based Healing Medicine
61051 / 3 credits / Barbara Raab / W, R 9:00 am – 12:45 pm / Waterman 401 / May 19 – June 27
Objective of this course is to familiarize students with both the science and art of herbalism/herbology/phytotherapy and its approach as a holistic modality. Students explore the historical perspectives of Herbalism, as well as its present-day context within both the realms of complementary/integrative and Western allopathic medicines. Plant constituents, the sustainable harvesting, preparation, and storage of herbs are covered, in addition to specific herbs as support for specific organ systems of the body. Crafting an individual holistic lifestyle by addressing such factors (such as diet and stress alleviation) to support one's health and well-being is discussed. A walk to view medicinal plants growing outside is included. For more info, email braab@uvm.edu.

ENVS 195 Nature and Culture in World Cinema
60911 / 3 credits / Adrian Ivakhiv / M, T, W, R 1:00 pm – 4:45 pm / Lafayette 400 / May 19 – June 06
This course examines cinematic depictions of the relationship between cultural identity and nature (environment, place, landscape) from around the world. We will draw on postcolonial cultural theory, ecocriticism, and other forms of cultural analysis to critically assess how filmmakers have depicted their own and others’ cultures in relationship to changing social, environmental, and ecological themes. Screenings will include films from East and South Asia (such as Ugetsu Monogatari, Dersu Uzala, Pather Panchali, Yellow Earth, The Ballad of Narayama, Princess Mononoke, Still Life, Why Did Bodhidharma Come from the West?, Tropical Malady), Australasia (The Last Wave, Up in the Sky, Rabbit Proof Fence, Whale Rider, Ten Canoes), Central and West Asia (Story of the Weeping Camel, A Taste of Cherry, The Lemon Tree), Africa (Hyenas, Keita, the Heritage of the Griot, District 9), Europe (The Holy Mountain, Land Without Bread, Shadows of Forgotten Ancestors), and the Americas (Land in Anguish, Macunaima, Bye Bye Brazil, Atanarjuat).

ENVS 195 Environmental Entrepreneurship
61055 / 3 credits / Todd Comen / T, R 1:00 pm – 4:45 pm / Jeffords 110 / June 30 – August 08
Business practices fundamentally affect all aspects of life, including our communities and the natural environment. In this course students will explore how the growing trend in socially and environmentally conscious management is being shaped by entrepreneurs and entrepreneurs. This course is designed to introduce broad management concepts that will help every student make informed workplace decisions. Environmental entrepreneurship will be observed through three main lenses: food systems, human environments (built systems), and the sustainable travel sector, with the end goal that students will understand the key components of a successful organization. Students will also learn to create a business plan that builds on an entrepreneurial idea of their choice.

ENVS 294 Environmental Education
61050 / 3 credits / Margaret Burke, Wendy Verrei-Berenback / Online course / May 19 – June 27
This course covers the philosophy, concepts, history, and goals of environmental education. Through an online discussion format, students develop an understanding of the professional roles and instructional methods of environmental education. Emphasis is placed on the integration of environmental concerns into formal and non-formal educational programs for youth and adults. This course will be valuable to environmental science or natural resources majors as well as pre-service and in-service teachers who want to learn about environmental education.

ENVS 295 D2: Circumpolar World
61052 / 3 credits / Kathleen Osgood / Online course / May 19 – August 8
Across the North, climate change is happening at an accelerated rate. The hole in the ozone layer, the waning of Arctic Sea ice, the disappearance of permafrost, the release of methane from peat bogs—not only are these indicators of climate change, but they are also multipliers of that process. Writing-intensive and research-based, this course considers the impacts of climate change from a human perspective, with a special emphasis on indigenous peoples in the North, including human adaptations, community capacity for change, and regional cooperation.