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<th>Course</th>
<th>Fall 2018 Topics Courses (September – December)</th>
<th>Instructor</th>
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| 380    | The Organics Industry: Local Perspectives  
This intensive seminar will introduce students to the history of organic farming, the development of the organic standards, and the intricacies of the organic food scene on Vancouver Island. The course will include several guest speakers, field trips to local farms, films, and engaging readings from some of the world's leading thinkers on organic food systems. The idea is to get a first-hand look at how agents in the local food system are contributing to sustainable agriculture, ecological resilience, and food security. The class is useful for anyone interested in food systems, organic farming, green business, environmental history, and/or localized economies. | Jeremy Caradonna |
| 470    | Community & regional coastal-marine conservation  
This 5-day intensive field course aboard the schooner Passing Cloud (www.outershores.ca) will give students first-hand experience of the issues facing coastal and marine conservation at a community and regional scale. Course activities will include meetings with stakeholders, presentations, discussions, and projects. Application required by June 2, 2018, to nb@uvic.ca. Additional Fee: $1,400.00. | Natalie Ban |
| 482 / 582 | Foundations of Ecology (A01)  
This is primarily a reading course where we delve deeply into some classic ecology research papers on topics including, but not limited to, the following: the niche, populations, communities, ecosystems, food webs, the rise of experimental ecology, theoretical ecology, conservation biology, meta-analysis, island biogeography, meta-communities, climate change, and neutral theory. We will also examine and discuss the characteristics that make successful research ecologists and research programs. The class will be primarily driven by student discussion and presentations, and is aimed primarily at graduate students and advanced undergraduates. | Brian Starzomski |

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<th>Course</th>
<th>Spring 2019 Topics Courses (January – April)</th>
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| 380    | The Environmental History of the Past Ten Years  
This lecture-seminar will historicize and contextualize ongoing environmental problems. The idea is to increase literacy and awareness about "current events" by understanding their historical development. The scale of the course is global, but key examples will be drawn from recent provincial history. The course is structured around five issues of current significance: 1) The building of the Site C dam; 2) The proposed Kinder Morgan natural gas pipeline; 3) The Paris Climate Accord and international climate policy; 4) Soil depletion, soil erosion, and the challenge of sustainable agriculture; 5) Conflicts over water in South America and India. Methodologically, the idea is to learn how to use cultural and historical analysis to make sense of environmental problems. | Jeremy Caradonna |
| 480    | Water Futures (A01)  
Water is the foundation of human and ecological health, as well as the economy and communities. Water will be the primary factor in many significant decisions in the next 20 years as hydrology changes with climate change, and communities adapt to more extreme storm events in the winter and spring (leading to flooding) and drier conditions in the summer (resulting in localized drought). This course deals with how society protects water as the baseline ecological condition, and manages and allocates water as a resource. Focusing on British Columbia, the course examines who can use water and how, with specific focus on unrecognised aboriginal rights to water. The course explores current issues such as public ownership of water and a "right" to water, instream flow needs, water for agriculture, the water-energy nexus, drinking water, watershed protection and management, water markets, water scarcity, and climate change. The course includes a full day field trip to the Cowichan watershed and a multi-week negotiation exercise. | Deborah Curran |
| 480    | Political Ecology of Development (A02)  
This course examines a range of rural development issues affecting Latin America through a political ecology lens. The course begins with an overview of the theoretical and historical context, before moving to examine key themes, such as resource extraction and conservation, affecting Latin American environments and peoples. The final module of the course focuses on social movements, initiatives and rural development tools for more sustainable development pathways. | Katherine Turner |
| 480    | Responding Critically to Colonization (A03)  
Political ecology puts social justice at the core of efforts to develop solutions to environmental challenges. Building upon understandings from ES 301 of global colonial histories and their continuing legacies, this course invites participants to locate themselves in the specific political-ecological spaces of Lekwungen and WSANEC territory where we are studying and living. How do colonial relations structure this space systemically (its people and larger ecologies), and what alternative and transformative place-based relations are possible? What do "we" - as diverse individuals and members of diverse communities with multiple identities and varying privileges - bring to these spaces? What other dynamics of power also shape these local spaces? How can we help build tools to educate ourselves and peers about these ongoing legacies and how to navigate them, and how can we contribute to Indigenous-led initiatives without: 1) burdening local Indigenous leaders; 2) reproducing problematic legacies? | Anita Girvan |
| 481    | Ethnoecology as Deep History  
Did people contribute to the extinction of woolly mammoths? Did the dryland agricultural practices of the Hohokam people ultimately contribute to the catastrophic collapse of their society? How did the First Peoples of British Columbia innovate and respond to changing climate, sea levels, and earthquakes over the past 13,000 years? Through both in-class discussions and field excursions, this course investigates key themes in the deep history of human–environment relationships. Utilizing some of the methodological and theoretical tools of Ethnoecology, Environmental Archaeology, and Paleoethnobotany, we consider the recursive relationships between people, their changing environments, and emergent social and technological innovations through time. Global in scope in terms of method and theory, we also focus on the past 13,000 years of Ethnoecology in western North America. | Darcy Mathews |
| 482 / 582 | Introduction to Data Analysis  
This course aims to provide students with useful skills for experimental design, data management, data visualization, and statistics, implemented with the software application R. Statistical topics will progress from linear regression to more advanced methods, such as linear mixed-effects models, generalized linear models, and generalized additive models. Readings will address themes in contemporary data analysis. The course will include a data analysis project, for which students will complete a written report, giving students the opportunity to apply skills learned in the course, and to increase their familiarity with data analysis methods relevant to their own particular research interests. Note: If you do not have the prerequisites for this course, please contact the instructor for permission at allanr@uvic.ca. | Allan Roberts |

Last update: June 13, 2018 (LEnb)