

Environmental Studies spaces available for registration January – April, 2019 spring term!

Leadership Skills for Change

ES 378 - A01, CRN 21541

Fridays: 9:30 a.m. – 12: 20 p.m.

Instructor: Ryan Hilperts

Build the skills necessary to lead effective change in community-engaged settings. Emphasis on personal and group communication skills, decision-making techniques, presentation and facilitation skills, ethics and self-awareness for leadership. Includes case studies, examinations of theories of leadership and social movements, and practical experience.

Environmental History of the Past Ten Years

ES 380 - A01, CRN 21542

Instructor: Jeremy Caradonna

M/Th, 8:30 – 9:50 a.m.

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.

ES 480, A01

Water Futures, CRN 21551

Instructor: Deborah Curran

M/Th, 8:30 – 9:20 a.m.

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 unrecognized 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.

ES 480, A02

Political ecology of development, CRN 21552

Instructor: Katherine Turner

Tuesdays, 9:30 a.m. – 12:20 p.m.

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. Prerequisite waiver: email esadvise@uvic.ca.

ES 480, A03

Responding Critically to Colonization, CRN 23684

Instructor: Anita Girvan

Wednesdays, 9:30 a.m. – 12:20 p.m.

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 place 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?

ES 482 / ES 582, A01

Introduction to Data Analysis

CRN 23677 or CRN 23678

Instructor: Alan Roberts

Thursdays, 2:30 – 5:20 p.m.

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 models 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. Prerequisite waiver: email allanr@uvic.ca.