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 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.

Dec 15, 2018 L.Erb