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<th>Course #</th>
<th>September 2017 – ES courses spaces available for registration</th>
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| ES 321 A02 CRN 11665 | Ethnoecology  
Environmental knowledge systems of indigenous and other local peoples are increasingly recognized as having relevance in understanding and documenting biological diversity and conservation and in undertaking ecological restoration. The different aspects of local and traditional ecological knowledge and their relationships to western academic knowledge are reviewed and the issues and requirements for applying local knowledge in environmental sustainability are explored. |
| CRN 11667 | Topics: Political Ecology: 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, organics, farming, green business, environmental history, and/or localized economies. Additional course fee $110.00. Lorene Kennedy Field Course Awards are available to partly offset additional costs for full-time, ES undergraduate declared majors, minors, graduate students in Environmental Studies, or students in the RNS Diploma Program. |
| CRN 11668 | Systems Theory: An Introduction to Natural and Social Systems  
Enables each participant to grasp the fundamental principles of systems theory, and provides a foundation for further exploration and application of systems concepts. Examines concepts such as cybernetics, holism, boundaries, negative and positive feedback, self-organization and transformation. Students will learn to apply these principles to both natural and social systems. |
| CRN 11669 | Environmental Evidence in a Post-truth Era  
Builds the skills necessary to critically assess environmental issues and research. Emphasis will be placed on critical assessment of evidence of all kinds, grounded in an understanding of quantitative and qualitative methodological considerations. Students will evaluate a wide variety of approaches to understanding and addressing real-world environmental challenges, and work towards producing their own compelling and comprehensive analysis of these challenges. |
| CRN 11670 | Deep Roots: Trajectories of Environmental Thought  
A seminar examining classic works and persistent themes in North American environmental thought. A study of primary source material and texts by writers such as Thoreau, Austin, Muir, Pinchot, Leopold, Carson, Ellul, Schumacher, Berry and Shiva. |
| CRN 11672 | Food in Place: Skills for Change  
Develops and puts into action student skills towards a current environmental issue. Training in working with the media, First Nations, and non-governmental organizations. Analyzes the role and impact of environmental policy actors. |
| CRN 11673 | Power, Difference, and Environmental Politics  
Explores how environmental politics is shaped by and seek to challenge relations of oppression. |
| CRN 13762 | Traditional Systems of Land and Resource Management  
The role of traditional ecological knowledge in the understanding and documentation of the biodiversity of natural systems and their restoration. Examination of how restoration strategies can benefit from the close relationship of Indigenous Peoples to their local environments, and from their knowledge of plants and animals, their habitats and ecological interrelationships, as well as from traditional land and resource management strategies. |
| CRN 13844 | Adv Topic: Political Ecology: Political Ecology of Development  
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. |
| CRN 13878 | Adv Topic: Ethnoecology: 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. |
| CRN 11679 | Adv Topic: Ecological Restoration: Natural History of Biological Invasions  
Introduced species are rapidly and dramatically restructing ecosystems around the world. As both scale and rate of global transportation continue to grow, the rise of novel ecological dynamics has reached unprecedented levels. Conventional ecological prescriptions and tools are proving insufficient to the challenge leaving decision makers unable to effectively respond. In this mixed lecture / seminar course we will explore the historical, ecological and socioeconomic dimensions of biological invasions while incorporating the latest thinking in meeting what is among the most formidable challenges to planetary health. Note: If you do not have the prerequisites for this course, please contact the instructor for permission. |