

Summer 2010 ENVS Course Offerings

ENVS 2100 Cal-Wood Education Center Field Courses

Continuing Education Section 570 June 6-20 and Section 571 July 17-31

Instructor: Steve Johnson

This two-week field-intensive course focuses on observation and analysis of the Colorado Front Range ecosystem. The location is Cal-Wood Education Center, a 1,200-acre outdoor classroom in the montane life zone of the Rocky Mountains. This site offers exceptional opportunities to study a relatively pristine, and highly diverse landscape. Students conduct an ecosystem survey including investigation of the geography, climatology, geology, ecology, and conservation. Ecological concepts and methods are explored in greatest detail. Instruction is delivered with inquiry-based activities incorporating observation & data collection, small working groups, direct lecture, focused exploration & field trips. This course applies and synthesizes information learned in a classroom context to an authentic, complex and dynamic environmental setting.

More information: <http://coefs.org/default.aspx>

To register or for more information email the instructor at: steve@coefs.org

ENVS 3020-001 Advanced Writing in Environmental Studies.

Summer Session Mayterm MTWTF 9:00-12:15

Instructor: Dale Miller

Offers training in critical thinking and analytical writing skills appropriate to upper-division classes. Writing assignments integrate the subject matter of different topical areas. Restricted to junior and senior ENVS majors. Approved for arts and sciences core curriculum: written communication.

ENVS 3520 Environmental Issues in Geosciences: Mining Resources of Four Corners

Continuing Education Mayterm

Instructor: Sarah Rogers

Addresses current environmental problems that need an understanding of geology. Prereq., a two-course sequence in any natural science. Same as GEOL 3520.

This section will explore mining related issues that have pronounced impact on the environment, economy and policies of the Four Corners Region. Week one will be at CU Boulder in lecture. Weeks two and three will be in the field, visiting mining and reclamation sites in NM, UT and CO.

To register or for more information email the instructor: Sarah.Rogers@colorado.edu

ENVS 4100-102 TPC Agriculture and the Environment

Summer Session A MTWTF 7:30-9:05 am

Instructor: John McKenzie

Course examines US food and farming systems with emphasis on issues involving sustainable agriculture and water resources in the context of environmental impacts. Students will be exposed to current issues, basic concepts and models used in the fields of agriculture and water resources. Agricultural, water, and food systems are important to all of us, and these systems impact the environment in multiple ways. However, most people are now disconnected from these systems and do not understand their intricacies - let alone the fundamental workings.

Having a better understanding of these systems will enable students to make more informed decisions throughout their lives, and to be better citizens. The course offers a unique opportunity especially for students interested in areas such as policy, environmental engineering, sustainable agriculture, and land use planning.

For more information contact the instructor: john.mckenzie@darca.org

**ENVS 4100- TPC Issues and Approaches to Forest Restoration
Continuing Education Mayterm**

Instructor: Tori Der

This course will explore current problems and approaches to forest restoration, including the ecological, social, and political contexts in which restoration occurs. Topics will include restoration ecology in the southern Rocky Mountains; fire ecology; goals, prescriptions, and effects of restoration treatments; and restoration policies and practice. The course will include field trips to local forests, and collaborative forest restoration projects in Colorado and New Mexico.

To register or for more information email the instructor: cranecollab@gmail.com

ENVS 4120, Topics in Environmental Science: Food and the Environment

Instructor: Sharon Collinge

July 6-23

Food production and procurement are inherently interdisciplinary in that they involve ecological processes, management of natural resources, and human values and decisions. In this course we will take a comprehensive look at the environmental issues associated with food systems. We will critically examine how food choices and prospects for valuing the services of nature may influence Earth's ability to sustain society into the future. We will consider topics such as locally versus organically grown food, fisheries and aquaculture, bushmeat hunting, crop genetic diversity and genetic modification, coffee pollination and tropical conservation, food miles, and connections among alternative energy, food prices, and crop production.

We will read recent books relevant to these topics and will supplement the books with readings from the primary literature, class discussions, excursions to local farms, markets, and grocery stores; guest participants, and student presentations. In addition to discussion and analysis of readings in small groups, each student will design and complete an individual project focused on an integration of a topic related to food and the environment.

**ENVS 4120 and ENVS 3930 San Juan Natural Resource Challenge
Continuing Education June 6-August 12**

Instructor: Koren Nydick

This program combines a course in natural resource management with a career-building internship. The two week (3 credit) course will be based in Durango and Silverton, Colorado and be taught by the Mountain Studies Institute. It will combine lecture, discussion, and field exercises. Each student will be placed with a natural resource scientist or manager for an 8 week (3 credit) field experience/internship. Examples of past internships can be found at:

http://www.mountainstudies.org/Research/Internship_Program.htm

To register or for more information contact the instructor: Koren Nydick

Email: Nydick_k@fortlewis.edu

Phone: 970/247-7071

**GEOG 4742 Environment & Peoples
Continuing Education A term**

Boulder's open space is a crucial foundation of our local identity. Whether providing a scenic backdrop, recreational opportunities, a buffer against encroaching urbanization, or wildlife habitat, our open space is a tangible reflection of community values. This class will provide an overview of the local open space programs in Boulder. We will begin by looking at the history, holdings, and management tasks facing local open space departments. Your final project will be a research proposal that integrates the various topics and issues that we will discuss this semester. The class will include several field trips and guest speakers. To enroll, please contact Barbara.Russell@Colorado.EDU in Continuing Education.