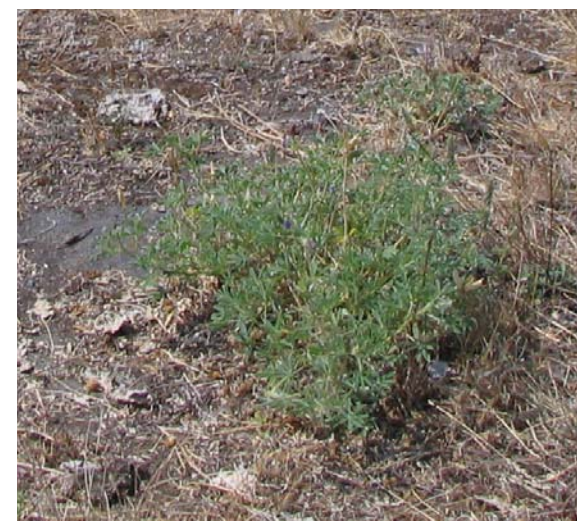


Winter 2009

## ECOSYSTEM AND LANDSCAPE ECOLOGY

**How do we fit all of the pieces together to understand and manage our changing environment?**

Scientific studies often focus on certain parts of our ecological systems, but these parts need to be integrated in order to understand and manage a complex and changing world. In this course, we will explore local- to global- controls over water, carbon, nutrients, energy, and organisms, emphasizing how they are mediated by interactions among biotic, abiotic, and human factors. In particular, we will focus on whole-system function, and how this changes over space and time, and in response to human activities.



**Mondays and Wednesdays 10:00- 11:50, Lecture & Discussion, Wellman 229**

**ECL 201      CRN 53964      4 Units**

**Instructors: Mary Cadenasso [mlcadenasso@ucdavis.edu](mailto:mlcadenasso@ucdavis.edu), 754-6151**

**Valerie Eviner [veviner@ucdavis.edu](mailto:veviner@ucdavis.edu), 752-8538**

**While this is listed as a graduate course, we encourage interested upper-division undergraduates to enroll**  
**Pre-requisites: A course in general ecology, soil ecology *or* plant ecology (e.g. ESP/EVE 117, ESP 100, SSC 112)**