

**EEB 154 – California Ecosystems**  
**Spring 2007**  
**Philip W. Rundel**

**Syllabus**

- Texts: 1) Rundel, P.W. and R. Gustafson. 2005. *Introduction to the Plant life of Southern California*. University of California Press, Berkeley.  
2) Quinn, R. and S. Keeley. 2006. *Introduction to California Chaparral*. University of California Press, Berkeley.

Readings: Papers on the course website

**Lecture and Field Trip Schedule**

April 3	California ecosystems in a global context
April 5	Global patterns of climate <b>Field trip:</b> Santa Monica Mountains (SMM): landforms and geology
April 10	Regional climate
April 12	Geology and soil <b>Field trip:</b> Palos Verdes Peninsula
April 17	California landforms
April 19	Geologic history of California <b>Field trip:</b> Page Museum
April 24	<i>Midterm</i>
April 26	Chaparral / sage scrub <b>Field trip:</b> Topanga State Park
May 1	Chaparral fire ecology
May 3	Oak woodlands <b>Field trip:</b> Stunt Ranch
May 8	Desert ecosystems
May 10	Adaptations to desert environments <b>Field trip:</b> Huntington Gardens
May 15	Conifer forests - California pines
May 17	Sierra Nevada ecosystems <b>Field trip:</b> Solstice Canyon
May 22	Coast redwood forests
May 24	<b>Field trip:</b> Mount Pinos – leave at 11

May 29	Alpine ecosystems
May 31	Wetland ecosystems: salt marsh, freshwater marsh, vernal pools <b>Field trip:</b> Madrona Marsh, Torrance
June 5	Invasive species
June 7	Conserving California ecosystems <b>Field trip:</b> Cabrillo Aquarium
June	Final Exam 8-11

**Grade:** Grading will be based on a midterm (100 points), final (200 points), and quizzes, and participation (50 points).

**Schedules:** Generally I will lecture from 11:00-12:15 on Thursdays, then break for a quick lunch, and leave promptly at 1:00 pm for the afternoon fieldtrip. I will try and get us back to UCLA by 5:00 pm, but the vagaries of traffic mean that we may occasionally be late. We will leave directly for the field at 11 am on the day we drive to Mount Pinos.