

**EEB 154 – California Ecosystems**  
**Fall 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**

September 27	Global patterns of climate <b>Field trip:</b> Mathias Botanical Garden
October 2 October 4	Regional climate Geology and soil <b>Field trip:</b> Santa Monica Mountains
October 9 October 11	California landforms Geologic history of California <b>Field trip:</b> Page Museum
October 16 October 18	Coastal ecosystems California as a biodiversity hotspot – at Santa Monica College <b>Field trip:</b> Stunt Ranch
October 23 October 25	<i>Midterm</i> Chaparral/sage scrub <b>Field trip:</b> Palos Verdes Peninsula (low tide at 15:37)
October 30 November 1	Chaparral fire ecology Oaks and oak woodlands <b>Field trip:</b> Rancho Santa Ana Botanical Garden
November 6 November 8	Conifer forests – Sierra Nevada and Transverse Ranges <b>Field trip:</b> Mount Pinos – leave at 11
November 13 November 15	Coastal conifers Pacific Northwest forests – coast redwood and Douglas fir <b>Field trip:</b> Madrona Marsh, Torrance

November 20	Wetland ecosystems: salt marsh, freshwater marsh, vernal pools
November 22	THANKSGIVING VACATION
November 27	Desert ecosystems
November 29	Adaptations to desert environments <b>Field trip:</b> Huntington Gardens
December 4	Invasive species
December 6	Conservation of California ecosystems and biodiversity <b>Field trip:</b> Solstice Canyon
December 11	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 5:30 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, and have lunch there.