

ES 119: Ecological Management of CA Wildlands

Summer 2019

Randy Long

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Office Hours: Wed 10-11:30 (and by appt)

Lecture: W 2-3:50 Girvetz 1115

Field Trips: Friday 1-5:50

Robert Fitch

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Office hours: Wed 4-5 (and by appt)

Wed 5-5:50 Girvetz 2135

Thurs 6-6:50 Girvetz 1106

Overview

Explore ecological processes in California habitats and the challenges of their management through field trips, discussions with land managers, lectures and readings. Focus on regional habitats including specialized habitats such as coastal salt marsh and vernal pools, and more widespread such as oak savanna and chaparral

Objectives

After completing this course, you should be able to:

1. Recognize major California ecosystems (e.g. grasslands and coastal dunes) and identify organisms that are commonly found in each.
2. Summarize the importance of services (e.g. coastal protection) provided from ecosystems
3. Describe various management challenges and public expectations.
4. Compare how different management techniques affect ecosystem health.
5. Collect, analyze and synthesize data comparing management techniques.
6. Interpret current peer reviewed articles and be able to report the main findings.

Course structure:

- Lectures - attendance at lectures is expected. I will post slides on GS following each lecture to assist you when reviewing your notes, but not all material covered in lecture will be written out on the slides.
- Discussions – participation in discussion sections is required. For each discussion section a reading or other supplemental material will be provided. Students are expected to complete the reading before coming to discussion activities.
- Field trips – attendance to field trips are mandatory.

Discussion readings and Course Website

Readings for discussion will include primary literature, gray literature, policy commentaries, and other types of articles, these will be available through the course website. The course website on Gauchospace will be the primary way I communicate with the class so please be sure to check the course website on a regular basis for updates.

Grades

Grades will be based on percentage of the total possible points the student has earned, and the class curve will be considered. Any late turn-ins will incur a 10% deduction for every day unsubmitted (1 day late = 10% deduction, 2 days late = 20% deduction, and so on). Nothing will be accepted for grading after December 11th. We are happy to advise on all written assignments, but you need to meet with one of us or send drafts one week before they are due.

Discussion section:

Presentation	10%
Participation/preparedness	10%

Field trips & Lecture:

Attendance & Participation	5%
Lessons Learned Discussion	5%
Notebooks	10%
Beach Grooming Analysis	10%
Plant Quiz	5%

Term paper:

Paper	20%
Presentation	10%

Final exam:

Essay-short answer, take home	15%
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Communication

Please make sure that your email is accurate and up-to-date in the university's records and check it daily throughout the duration of the course. Only use your UCSB-affiliated email address; emails sent from other providers such as Hotmail, Yahoo, AOL, etc. are sometimes auto-filtered into my spam folder where I will not see them. From time to time, I will send out important announcements—you don't want to miss them. Likewise, I don't want to miss any important emails from you.

Personal Conduct

ES/EEMB119 is a collaborative learning environment. Respect is essential for maintaining this atmosphere. I will not tolerate disrespectful or belligerent behavior of any kind—including rude or threatening emails or social media posts. Any verified case of such behavior will result in an immediate expulsion from the course, and the offender will be referred to campus authorities.

Academic Integrity

Students caught plagiarizing, cheating, or participating in unauthorized student teamwork will receive an F in the course and their case will be referred to the appropriate campus authorities. Uploading course content to "Study Resource" sites inclusive of, but not limited to, Chegg or Course Hero is also prohibited; violators will receive an F in the course and their case will be referred to the appropriate campus authorities. If you have any questions about what actions can be categorized as academically dishonest, please feel free to ask me and/or to consult the accompanying document "Academic Integrity at UCSB – A Student's Guide"

Friday field trips: Friday 1-5:50pm.

The 5 hr time slot is designed to give us enough time to travel to sites 1-2 hrs from town. **There will be one weekend trip (Nov 8-11) that is required.** The field trips meeting spot will be the Bren/MSI parking lot at **1pm sharp**, unless otherwise noted.

DATE	LECTURE	DATE	LAB/FIELD TRIPS
		9/27	Intro ES student lounge (BREN 4016)
10/2	Wk1: Beach & Dunes	10/4	Coal Oil Point Speaker: Cris Sandoval, land manager
10/9	Wk2: Grasslands	10/11	Arroyo Hondo Speaker: Sally Isaacson, rancher
10/16	Wk3: Marsh & Estuary	10/18	Carpinteria Salt Marsh Speaker: Andy Brooks, land manager
10/23	Wk4: Coastal Sage Scrub *Paper topics due	10/25	Sedgwick Reserve Speaker: Kate McCurdy, land manager
10/30	Wk5: Chaparral *References & introductory P due	11/1	Los Padres National Forest Speaker: Lloyd Simpson, USFS botanist
11/6	Wk6: Marine *Beach Grooming Analysis Due	11/8 to 11/11	Oceano, Morro Bay, Big Sur
11/13	Wk7: Riparian Section	11/15	Ventura River/Matilija Dam Speaker: Paul Jenkins, Surfrider
11/20	Wk8: Mixed Conifers/ Sierras	11/22	*Plant quiz, Meet in Bren 4016 Fishbanks Simulation
11/27	Wk9: Deserts: No section *Term papers due	11/29	Thanksgiving Break
12/4	Wk10: Ag/Urban Env	12/6	*Student Paper Presentations
12/11	*Final & Notebooks due on Wed by 5pm. Drop off Noble 1111 or 1113		