

## NR6 - DENDROLOGY

50367 and 50368

Course Syllabus for spring 2010

Lecture: M 12:00 - 12:50 PM

Lecture W 2:00 - 2:50 PM

Laboratory W 3:00 - 5:50 PM

**Instructors:** Kent Kinney, (Jason Pinkerton, lab)  
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Office Hours: W Th F 11:00,  
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**Books:**

Hardin	2001 Textbook of Dendrology – <b>Required</b>
Stuart	2001 Trees and Shrubs of California -- <b>Required</b>
Elpel	2006 Botany in a Day -- <b>Required</b>
Paruk	1997 Sierra Nevada Tree Identifier -- <b>Optional</b>
Gerstenberg	1983 Common Trees and Shrubs of the Sierra Nevada -- <b>Optional</b>
Schoenherr	1992 A Natural History of California – <b>Optional</b>
Jepson	1993 The Jepson Manual Higher Plants of California

**Course Objectives:**

To introduce students to plant communities of California and to develop competence in identifying common trees and shrubs of the region. Students will gain skills using plant keys and preparing plant collections.

**Tentative Schedule**

	<u>Monday and Wednesday Lecture</u>	<u>Wednesday Lab</u>
Week 1	(M) Classification	General Plant Identification
Jan 11	(W) Nomenclature	Species Report/Exhibit Assigned
Week 2	(M) <b>No Class (MLK Day)</b>	Leaf & Twig Morphology
Jan 18	(W) Morphology	
Week 3	(M) Variation	Preservation of Specimens
Jan 25	(W) Habitat, Range, Communities	Plant Collections Assigned
Week 4	(M) Pinophyta (Gymnosperms)	Plant Keys
Feb 1	(W) Magnoliophyta (Angiosperms)	
Week 5	(M) Plant Families	
Feb 8	(W) Reproductive Morphology	Reproductive Structure

	<u>Lecture</u>	<u>Lab</u>
Week 6 Feb 15	(M) <b>No Class (Presidents Day)</b> (W) Review for exam/Conifer Characteristics	Pinus
Week 7 Feb 22	(M) <b>Exam 1</b> (W) Exam evaluation	Cupressaceae Taxodiaceae
Week 8 Mar 1	(M) Riparian/Oak Savanna (W) <b>Field Trip</b>	<b>Field Trip (1) to Kings River 12 PM to 6 PM</b>
Week 9 Mar 8	(M) Closed Cone Forest/Coastal (W) Foothill Woodland	Closed Cone Forest/Coastal
Week 10 Mar 15	(M) Central Coastal Forest (by (W) <b>Arrangement Sanborn Park)</b>	<b>Independent Study by arrangement 3/12 to 3/20</b>
Week 11 Mar 22	(M) Review for exam (W) <b>Species Report Due/Field Trip</b>	<b>Field Trip (2) to Piedra 2 PM to 6:00 PM</b>
<b>March 29 - April 2 Spring Break Spring Break Spring Break Spring Break Spring Break</b>		
Week 12 April 5	(M) <b>Exam 2</b> (W) Exam Evaluation	<b>Species Exhibit Due and Presented</b>
Week 13 Apr 12	(M) Chaparral (W) <b>Field Trip</b>	<b>Field Trip (3) to Dunlap</b>
Week 14 Apr 19	(M) <b>No Class</b> (FFA conference) (W) Montane/Subalpine	Sierran Montane Forest
Week 15 Apr 26	(M) North Coast Forest (W) Pinyon-Juniper	Plant Collection Preview by Instructor/Assistance Available
Week 16 May 3	(M) <b>Review</b> (W) <b>Field Trip</b>	<b>Field Trip 8AM to 6 PM</b> Red Fir/Lodgepole, Huntington
Week 17 May 10	(M) <b>Plant Collection Assessment</b> (W) <b>Lab Final Exam</b>	<b>Plant Collection Due <u>5/10</u></b> <b>Plant ID Exam 5/12</b>
Week 17	<b>Lecture Final Exam Wednesday May 19, 12:00 - 1:50 PM</b>	

**Attendance and Grading Policy:**

The success of any class depends on the presence and active participation of each student; therefore, you are expected to attend every class. **If you miss class more than 6 times during the semester (without a valid reason) you may be dropped from the course.** Examination grades may be based on a curve and final grades will be assigned based on a straight percentage system according to the following scale:

<u>Course Grade</u>	<u>Cumulative Percent</u>	<u>Breakdown of Grades</u>	<u>Percent</u>
A	90-100	Midterm Exam I	10
B	80-89	Midterm Exam II	10
C	70-79	Tree Species Report	10
D	60-69	Plant Collection	30
F	< 59	Tree Species Exhibit	10
		Lab Final	15
		Lecture Final	15
		Extra Credit	10

**Field Trips:**

There may be several required field trips taken during the semester. These trips will generally be taken during scheduled lab times but we **may sometimes need to leave prior to or return to campus after the scheduled class time.** You should make every effort to coordinate in advance with your other teachers if this occurs.

If you do not attend a fieldtrip that occurs outside of a regularly-scheduled laboratory or lecture you will be expected to submit an alternate assignment.

**Always come prepared to go outside during lab. My definition of "Being Prepared" means to wear hiking boots or work boots, wear long pants, and to bring other items such as water, bug repellent, rain gear (even if there is a slight chance of rain), and plenty of warm cloths.**

**Accommodations:**

If you have a need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act(ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

**LAST DAY TO DROP: 12<sup>th</sup> of March**