

**CATALOG INFORMATION**

Dept and Nbr: BOTANY 61     Title: LIVING AMONG THE OAKS  
Full Title: Living Among The Oaks  
Last Reviewed: 9/10/2007

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	3.00	6	Lecture Scheduled	18.00
Minimum	1.00	Lab Scheduled	0	4	Lab Scheduled	0
		Contact DHR	5.00		Contact DHR	30.00
		Contact Total	8.00		Contact Total	48.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 36.00

Total Student Learning Hours: 84.00

Title 5 Category: AA Degree Applicable  
Grading:                Grade or P/NP  
Repeatability:        39 - Total 2 Times  
Also Listed As:  
Formerly:             BIO 40.7

**Catalog Description:**  
The biology of oaks with emphasis on the problems and management of native oaks in wildland and urban environments. Includes issues of regeneration, pests and diseases, wildlife and economic values, landscape and construction considerations.

**Prerequisites/Corequisites:**

**Recommended Preparation:**

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: The biology of oaks with emphasis on the problems and management of native oaks in wildland and urban environments. Includes issues of regeneration, pests and diseases, wildlife and economic values, landscape and construction considerations. (Grade or P/NP)  
Prerequisites/Corequisites:  
Recommended:  
Limits on Enrollment:

Transfer Credit: CSU;  
Repeatability: Total 2 Times

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>			Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>			Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>			Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective:	Spring 2003	Inactive:	Summer 2011
<b>UC Transfer:</b>		Effective:		Inactive:	

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, the student will be able to:

1. Identify the native oak species of Sonoma County and California.
2. Explain the relationships of California Oaks to the oaks of the world and the other genera within the Fagaceae.
3. Characterize the biological and ecological relationships between oaks and other plant and animal species within the oak woodland and forest communities.
4. Demonstrate the effects of various management decisions (e.g. landscaping, agricultural conversions, urban expansion) on the ecology and viability of oak species and communities.
5. Determine appropriate methods of mitigation relative to disturbance.
5. Explain the approaches necessary to conserve oak habitat.

### **Topics and Scope:**

1. Taxonomy and ecology of native oaks and oak-dominated ecosystems.
2. Basic evolutionary processes and outcomes relevant to the current taxonomic treatment of Quercus and Fagaceae worldwide.
3. Wildlife ecology and the primary importance of oaks to wildlife in California.
4. Ecological services provided by oaks and oak-dominated ecosystems in California.
5. Introduction to effects of landscaping and construction on oak viability and methods of compatible activities.
6. Basic introduction to oak pests and pathogens, and methods of treatment.
7. Current issues in oak/human interactions.

**Assignment:**

Each student will:

1. Read relevant literature, approximately thirty pages per week.
2. Do a project relating to oak management issues.

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Project

Writing  
40 - 60%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Field work, Quizzes

Problem solving  
10 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Maintenance of a field notebook and active participation in all activities

Other Category  
10 - 30%

### Representative Textbooks and Materials:

OAKS OF CALIFORNIA: Paulik, et.al.  
1991, Cachuna Press, Los Olivas, CA