

**FOR 51 Course Outline as of Fall 1981****CATALOG INFORMATION**

Dept and Nbr: FOR 51 Title: WILDLND TREE/SHRUBS

Full Title: Wildland Trees and Shrubs

Last Reviewed: 12/12/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	2.00	17.5	Lab Scheduled	35.00
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 192.50

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Study and taxonomy, physiology of trees and shrubs of the United States with particular emphasis on those of the west coast. Analysis of botanical and anatomical characteristics of these plant. The plant communities and ecological relations.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for English 100A or equivalent.

**Limits on Enrollment:****Schedule of Classes Information:**

Description: FOR COURSES CHANGED TO NRM; FORs INACTIVATED SUMMER 1994  
(Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for English 100A or equivalent.

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

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

<b>AS Degree:</b>	<b>Area</b>		Effective:	Inactive:
	C	Natural Sciences	Fall 1981	
<b>CSU GE:</b>	<b>Transfer Area</b>		Effective:	Inactive:
	B2	Life Science	Fall 1981	
	B3	Laboratory Activity		
<b>IGETC:</b>	<b>Transfer Area</b>		Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
<b>UC Transfer:</b>		Effective:		Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

1. Be able to determine the taxomic characteristic of the plants presented in class.
2. Be able to use a plant key effectively.
3. Know the physiologic characteristic of the plants.
4. Be able to determine what a plant community is.
5. Understand the effect of the environment upon plants and plant communities.

### **Topics and Scope:**

- A. Physiology and Morphology of Trees and Shrubs
  1. Plant morphology
  2. Physiology of various plant parts and their function
  3. Morphology and physiology of flowering parts
- B. Plant Communities
  1. Autoecology of plants and its effect upon plant distribution
  2. Synecology and key plant indicators
  3. The effect of the environment on the distribution of plant communities
- C. Taxonomy and Physiological Growth of Habits of Trees
  1. The effect of light upon growth and regeneration
  2. Climatic effect upon trees and growth habits
  3. Soils, moisture, effects upon distribution of plants
  4. Physiological effect upon plant communities
  5. Taxonomy of trees
  6. Taxonomy of branches without leaves (fall)
- D. Taxonomy and Physiological Growth Habits of Shrubs
  1. Environmental courses of shrub communities

2. Soil and moisture effects upon shrubs
3. The effect of succession on shrub communities
4. Physiological effect upon plant communities
5. Taxonomy of shrubs
6. Taxonomy of locally important wild flowers (spring semester)

### Assignment:

Student will have assignments from the text and class lecture notes and will be tested weekly on these assignments.

### 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.

Reading reports, Lab reports, Essay exams

Writing  
0 - 10%

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

Field work, Lab reports, Quizzes, Exams

Problem solving  
0 - 20%

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

Field work, Performance exams

Skill Demonstrations  
0 - 30%

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

True/false, Matching items, Completion

Exams  
0 - 40%

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

None

Other Category  
0 - 0%

### Representative Textbooks and Materials:

"Textbook of Dendrology", by Harlow and Harrar

"North America Trees", by Preston

"Pacific Coast Trees", by McMinn and Maino