

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

Ornamental Horticulture 170 – Plant Materials: Trees and Shrubs

3 hours lecture, 3 units

Catalog Description

Identification, cultural requirements, and landscape uses of ornamental trees and shrubs common to the California landscape.

Prerequisite

None

Course Content

- 1) Introduction to plant identification methods
- 2) Principles of plant taxonomy and botanical nomenclature
- 3) Presentation of 125 trees and shrubs (8 to 10 plants are presented each week and students are responsible for learning the identification, characteristics, botanical and common name, cultural characteristics and uses)

Course Objectives

Students will be able to:

- 1) Correctly spell the botanical and common name of 125 trees and shrubs based on nomenclature method and correctly identify by sight each plant presented.
- 2) Compare and contrast the growth characteristics, cultural needs, and appropriate uses for plants presented in class.
- 3) Correctly select plants fitting pre-selected use criteria by utilizing characteristics and requirements learned in class.

Method of Evaluation

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.

- 1) Quizzes and exams that measure students' ability to:
 - a. Correctly identify landscape trees and shrubs and give both their botanical and common name.
 - b. Determine the growth characteristics and cultural needs of plants presented in class.
- 2) Exercises or assignments that require students to demonstrate the ability to:
 - a. Select appropriate plants based on a given site/client criteria.
 - b. Identify the proper cultural practices for plants presented in class.

Special Materials Required of Student

None

Minimum Instructional Facilities

- 1) Smart classroom
- 2) Field site with access to trees and shrubs

Method of Instruction

- 1) Lecture

- 2) Campus walks
- 3) Field trips

Out-of-Class Assignments

- 1) **Reading:** course material; other course related multimedia.
- 2) **Writing:** N/A.
- 3) **Other:** tour parks and neighborhoods to learn the identity and cultural needs of trees and shrubs

Texts and References

- 1) Required (representative examples):
 - a. York and Andre. *The Plants of the Pacific Crest Trail*. Timber Press, 2023.
- 2) Supplemental: Plant Information Sheets available through on-line sources (Blackboard or Canvas)
 - a. Rubin, Greg and Warren, Lucy. *The Drought-Defying California Garden: 230 Native Plants for a Lush, Low-Water Landscape*. Timber Press, 2016. ISBN: 1604697091
 - b. *Sunset Western Garden Book of Landscaping: The Complete Guide to Beautiful Paths, Patios, Plantings, and More*. Editors of Sunset Magazine. 2014.

Exit Skills

Students having successfully completed this course exit with the following skills, competencies and/or knowledge:

- 1) Based on nomenclature method, correctly spell the botanical and common name of 30 out of a possible 125 trees and shrubs presented, and identify them by sight.
- 2) Describe the important cultural characteristics of 30 out of a possible 125 trees and shrubs

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Based on nomenclature method, correctly spell the botanical and common name of 30 out of a possible 125 trees and shrubs presented, and identify them by sight.
- 2) Describe the important cultural characteristics of 30 out of a possible 125 trees and shrubs.