

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

ORNAMENTAL HORTICULTURE 263 – URBAN FORESTRY

1 hour lecture, .5 hour laboratory, 1 unit

Catalog Description

Introduces students to the theory and practice of conducting detailed tree inventories, management of public trees, tree evaluation for hazard assessment and risk reduction programs, legal aspects of trees, and appraisal of value methods for trees. Students will also learn site evaluation, benefits of tree volunteer organizations, priority action plans, and emergency response plans.

Prerequisite

None

Course Content

- 1) Urban forestry concepts and benefits
- 2) Tree inventories and surveys
- 3) Evaluation of trees for hazard
- 4) Methods of tree appraisal
- 5) Management practices for woody plants in the urban wildland interface

Course Objectives

Students will be able to:

- 1) Conduct a tree inventory including measuring individual trees.
- 2) Perform a tree hazard and risk assessment using industry methods and standards.
- 3) Analyze the tree inventory data, and draft an urban forest management plan.

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. Conduct a tree health inventory including measuring individual trees.
 - b. Perform a tree hazard and risk assessment using industry methods and standards.
 - c. Analyze the tree inventory data, and draft an urban forest management plan

Special Materials Required of Student

None

Minimum Instructional Facilities

- 1) Standard lecture classroom
- 2) Field site for demonstrations and lab activities

Method of Instruction

- 1) Lecture and demonstration
- 2) Laboratory
- 3) Field trips

Out-of-Class Assignments

Completion of urban forestry management plan

Texts and References

- 1) Required (representative example): Miller, et al. *Urban Forestry: Planning and Managing Urban Greenspaces*. 3rd edition. Waveland Press Inc., 2015.
- 2) Supplemental: None

Student Learning Outcomes

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

- 1) Conduct a tree inventory including measuring individual trees.
- 2) Perform a tree hazard and risk assessment using industry methods and standards.
- 3) Analyze the tree inventory data, and
- 4) Draft an urban forest management plan.