

HORT A151: INTRODUCTION TO TREE CARE

Item	Value
Curriculum Committee Approval Date	11/13/2024
Top Code	010900 - Horticulture
Units	2 Total Units
Hours	36 Total Hours (Lecture Hours 36)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

Course Description

An introduction to the many aspects of tree care. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Recognize different tree characteristics, using this information in pruning trees correctly in their formative years.
2. Establish watering and fertilizing programs recognizing various tree stress conditions and determining the source.

Course Objectives

- 1. Explain the importance of trees in our environment.
- 2. Match various tree types to different site conditions when selecting a new tree.
- 3. Explain some of the basic physiological systems of a tree.
- 4. Explain how to properly plant a tree to help insure long-term success.
- 5. Explain the importance of proper pruning practices for both tree health and public safety.
- 6. Explain how to properly water and fertilize trees in different site conditions.
- 7. Recognize tree stress symptoms.

Lecture Content

Benefits from trees, enhancing our environment and improving quality of life. Tree selection, knowing the many diverse size, shape and cultural needs of various trees species. Planting and staking of young trees, hole preparation, staking options, wind protection. Tree anatomy, root systems, bark, xylem and phloem, cambium, wound repair mechanism. Fertilizing both young and established trees, timing, application rates, site considerations. Water and trees, watering to establish young trees, and to adjust to various site conditions. Pruning young trees, establishing scaffolding, trunk taper, repairing architectural problems early. Corrective pruning, pruning for safety, urban situations, power lines. Pest and

disease diagnosis, recognizing stress conditions, a biotic disorders, possible pest and disease problems.

Method(s) of Instruction

- Lecture (02)

Instructional Techniques

Illustrated lecture presentations and hands-on practical exercises

Reading Assignments

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Writing Assignments

Part of every examination is a number of questions requiring written answers to test the comprehension and writing skills of the students.

Out-of-class Assignments

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Demonstration of Critical Thinking

Quizzes, multiple choice and written answer examinations

Required Writing, Problem Solving, Skills Demonstration

Part of every examination is a number of questions requiring written answers to test the comprehension and writing skills of the students.

Other Resources

1. Handouts to be provided and distributed by the instructor.