

AG 155 Subtropical Arboriculture

3 credits

Time: (days and time)

INSTRUCTOR: Dave Ringuette

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EFFECTIVE DATE: Fall 2009

Windward Community College Mission Statement

Windward Community College is committed to excellence in the liberal arts and career development; we support and challenge individuals to develop skills, fulfill their potential, enrich their lives, and become contributing, culturally aware member of our community.

Catalog Description

An introduction to arboriculture and the care of community trees.

This is a balanced course of practical skills and scientific tree care.

Activities Required at Scheduled Times Other Than Class Times

None

STUDENT LEARNING OUTCOMES

Upon successful completion of the course students will be able to:

1. identify and describe the characteristics of tree species on the Hawaii ISA list,
2. describe tree anatomy and physiology
3. recommend techniques of tree preservation during construction
4. use ISA standards (ANSI A300) when pruning trees

COURSE CONTENT (may be part of the appendix)

Concepts or Topics (What students should know or understand)

- 1. Tree anatomy**
- 2. Tree physiology**

Issues (Issues that are important in this discipline)

- 1. Tree care/preservation**

Skills or Competencies (What students should be able to do in order to complete the student learning outcomes)

- 1. Prune trees to ISA standards**
- 2. Identify and characterize trees in urban Hawaii**
- 3. Preserve trees during construction**

2. Environmental influences of trees

Course Tasks

Written examinations and quizzes are based upon the concepts, skills, and/or issues discussed in class. You will be required to show your competencies with your hands and pen. You are expected to read and comprehend the textbooks, and lectures, and actively engage in the learning process. You must be physically able to prune up to 4-inch branches.

METHODS OF EVALUATION:

| | |
|-------------------|-----|
| Two Examinations: | 50% |
| Seven Quizzes: | 30% |
| Participation | 20% |

GRADES

A= 90% or higher

B= 80-89%

C= 70-79%

D= 60-69%

F= less than 60%

Please refer to the WCC College catalog for audit, withdrawal, and incomplete options.

STUDENT RESPONSIBILITY

1. Students unable to be present on the day of the exam are required to notify the instructor at least one day prior to the exam day. It is the responsibility of the student to make up any exams and or classes missed.
2. Students absent from class will be held responsible for the material covered in class and any announcements made in class.

ATTENDANCE POLICY

You will be allowed 3 sick days and one vacation day during the semester. If you are more than one-half hour tardy you will be docked a half day. If you use more than the allotted time you will **LOSE 2** points toward the final grade for each day missed beyond the allocated amount. If you do not use up your allotted leave time you will gain 2 points toward the final grade for each unused day

Learning Resources and Materials

ISA Arborists' Certification Study Guide by Sharon Lilly

ISA Best Management Practices- Fertilizing, pruning

Additional Information (may be part of an appendix)

You will be required to show proper pruning methods on trees. Therefore you must have the physical ability to cut a 4-inch branch with a handsaw.

The use of cell phones and pagers during class is not permitted. First violation is a verbal warning, second violation is a 5-point reduction on an exam, third violation, 10-point reduction of final grade, and fourth violation is termination from the course.

AG 155 SUBTROPICAL ARBORICULTURE

Topics

The Tree Care Industry

Basic Tree Biology (anatomy and physiology)

Urban Tree Environments

CODIT

Tree Identification, Selection, Characteristics

Pruning

Electrical Hazards

Soil Modification

Fertilizing

Construction and Trees

Grass and Trees

Tree Planting

Tree Injections

Specialty Tree Services