

Plant Science
AG 20 (62228)/120(62229) 03 Credits
Tuesday 3:30pm to 6:30pm

INSTRUCTOR: Daryl Cazinha
OFFICE: Waianae
OFFICE HOURS: Tuesday, 6:35 to 7pm
TELEPHONE: 235-8903wk or 306-8321cell
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 members of our community.

CATALOG DESCRIPTION

This course involves the study of plant morphology, anatomy, physiology, plant classification, plant growth regulators, and plant propagation. (Tue. 2hrs. lect. and 1hrs lab.)

Activities Required at Scheduled Times Other Than Class Times

Three conferences are required: one initial conference early in the semester. One mid-semester conference is optional to review progress of class projects.

STUDENT LEARNING OUTCOMES ARE:

AG20 #62228

1. Describe and explain general plant structure and function in relation to plant growth and development.
2. Demonstrate knowledge of horticultural principles in the cultivation of plants.
3. Examine commercial agricultural enterprises for to become familiar with employment opportunities and the impact of horticulture on our lives.

For AG 120 #62229—All of the above:

4. Research and report on a horticultural plant. .
Note: the report will be at least 5 pages long.

COURSE CONTENT

Concepts or Topics

- Using plants, for gardening and landscaping
- What are the key principles and concepts of design for gardening and landscaping
- The biology of plants
- Plant propagation and growing
- The diversity of the thousands of different kinds of horticultural plants
- History of horticulture

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

1. Recognize the importance aspect of planning and organizing the use of horticultural plants
2. Recognize and know the Botanical terms and concepts.
3. Understand plants terminology for good communication between gardeners and horticulturists.
4. Will learn about basic plant parts and functions.
5. The role Horticulture has had in development of our societies

COURSE TASKS

1. To introduce students to the subject of Horticulture
2. To develop or expand an appreciation for the importance of plants in society.
3. To understand the botanical and horticultural classification of plants.
4. To become familiar with major horticultural crops: perennials, pot plants, cut flower, trees, vegetables, fruits, herbs, and spices.
5. To become aware of the sources of information about Horticulture, especially those on the WWW.

ASSESSMENT TASKS AND GRADING

1. Completed all quizzes with at least 60% proficiency.
2. Meet with instructor for initial conference, with one other semester conference optional.
3. Complete all course assignments.
4. Grade will be assigned with the successful completion If all course objectives.
Method of evaluation:

- Final Exam – 60%
- Quizzes – 20%
- Participation – 20%

5. Grade available:
A = 90% or greater
B = 80% to 89%
C = 70 % to 79%
D = 60% to 69%

F = less than 60%

LEARNING RESOURCES

1. Ball Pest and Disease Manual, Charles Powell, Ph.D. and Richard Lindquist Ph.D.
2. Cooperative Extension Service, University of Hawaii at Manoa
3. Disease and Disorders of Ornamental Palms, A.R. Chase and T.K.
4. Fred D. Rauch
- 5.
6. Gail L. Schumann, Patricia J. Vittum, Monica L. Elliott, and Patricia P. Cobb; IPM Hand Book for Golf Course
7. Bert L. Bohmont; The Standard Pesticide User's Guide

Additional Information

1. Attendance: class sessions are designed to give you the opportunity to practice and review skills. Therefore, attendance will be taken at the beginning of each session. A total of 3 or more absences before the official withdrawal date, excused and unexcused, will result in and N for the course.
2. Be on Time. If you are more than one half hour tardy, you will lose 2 points from your Final grade for each tardy.
3. Students unable to be present on the day of the exam are require 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 quizzes.
6. Students absent from class will be held responsible for the material covered in class and any announcements made in class.
7. Students that bring into class a pager or a cellular phone, please set it on silent or off. Please use your cell phone during the break.
8. Students will have three 10 minutes breaks.
9. STUDENTS NEED TO PASS COURSE WITH A "C" OR HIGHER

