

Plant Disease and Pest Control
AG. 32:(B#62325/C#62326/D#62327),03Credits
Wed/Thurs 3:30pm to 5:30pm

INSTRUCTOR: Daryl Cazinha
OFFICE: Waianae
OFFICE HOURS: Wed/Thurs., 4:35 to 5pm
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

AG32B: Involves the recognition and control of plant diseases. Topics include plant nutrition, bacteria, virus, and fungi.

AG32C: Involves the recognition and control of weeds found in landscapes and nurseries in Hawai'i.

AG32D: Involves the recognition and control of insects found in landscapes and nurseries in Hawai'i.

(Wed. /Thurs. 1hr lect or 1hr lab)

Activities Required at Scheduled Times Other Than Class Times

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

STUDENT LEARNING OUTCOMES ARE:

1. AG32B:
 - List the characteristics of plant fungus, bacteria, virus, and nematode diseases.
 - Identify plant abiotic, (non-living) disorders.
 - Recommend control measures
 - Identify pesticides according to what they control.
2. AG32C:
 - Identify common weeds found in Hawai'i.
 - Recommend appropriate control measures.
3. AG32D
 - Identify common insects found on plants in Hawai'i.
 - Recommend appropriate control measures.

COURSE CONTENT

Concepts or Topics

- Recognition and Control of plant diseases, and abiotic disorder
- Indentation of weeds, insects and diseases
- Recognition and Control of plant weeds and insects
- Pesticides and Environmental Considerations
- The role of Integrated Pest Management

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

1. Know and recognize the characteristics of all Plant disease and pest.
2. Properly identify and control all plant disease and pest.
3. Recognizing the Concepts and Principle of IPM
4. Recognizing the six major areas in our environment that require protection

COURSE TASKS

1. Show general understanding of Plant Disease and Pest Control.
2. Correctly identify plant fungus, bacteria, virus, and nematode diseases.
3. Correctly identify plant weed and insects.
4. Able to make appropriate recommendation, to control plant disease and pest
5. Properly select the right Pesticides, for safe and effective use.
6. Properly use, handle and apply Pesticides.
7. Demonstrate ability in understanding Pesticides Technology.

ASSESSMENT TASKS AND GRADING

1. Completed all quizzes with at least 60% proficiency.
2. Meet with instructor for initial conference, with one other conference semester optional.
3. Complete all course assignments.
4. Grade will be assigned with the successful completion of 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. Alabama Cooperative Extension Service; Weeds of the Southern Turfgrasses
2. E.L Haselwood and G.G. Motter; Handbook of Hawaiian Weeds
3. Mary Louise Flint; Pest of the Garden and Small farm
4. A.R Chase and T.K. Broschat; Diseases and Disorders of Ornamental Palms
5. Gail L. Schumann, Patricia J. Vittum, Monica L. Elliott, and Patricia P. Cobb; IPM Hand Book for Golf Course
6. Bert L. Bohmont; The Standard Pesticide User's Guide
7. College of Tropical Agriculture and Human Resources; University of Hawai'i

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 tardiest.
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 two 10 minutes break.
9. STUDENTS NEED TO PASS COURSE WITH A "C" OR HIGHER.

