



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

AG 120, PLANT SCIENCE

3 Credits (CRN 63493)

Dates: 10/17 – 12/09

Hybrid Lectures

In-person Lab: Friday 12:00 – 4:00 pm

INSTRUCTOR: Jolie Dollar
OFFICE: Uluwehi B104
OFFICE HOURS: Friday 11am – 12pm or by appointment |
TELEPHONE: 808-236-9245 **EMAIL:** jolied@hawaii.edu
EFFECTIVE DATE: Fall/2022

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko'olau region of O'ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

CATALOG DESCRIPTION

The study of plant science, morphology, anatomy, physiology, classification, growth regulators, and propagation. Students are required to write a 10 -to 15-page research report.

Activities Required at Scheduled Times Other than Class Times

None.

STUDENT LEARNING OUTCOMES

As a result of taking this course, students can expect to attain the following outcomes:

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 different agricultural systems and enterprises to become familiar with employment opportunities and the impact of horticulture on our lives.
4. Research and report on a horticultural plant.

COURSE TASKS

1. Use objective tests, essay questions or research/term papers to evaluate student's ability to explain or identify plant structures or functions.
2. Use objective tests, essay questions or research/term papers to evaluate student's knowledge of horticulture principles.
3. Use objective tests, essay questions, research/term papers, case studies, class presentations or applied projects evaluate student's comprehension of commercial

agricultural enterprises and their impact on the state's economy.

4. A requirement of this course is to write a 10 – 15 page research report. The minimum length of the report will be 10 pages and the maximum length will be 15 pages. The number of pages counted for this report will only be prose, i.e. title page, reference page etc. will not count in the total. All reports will be typed with a maximum font size of 14, double-spaced with 1-inch margins. The report will include parenthetical documentation and a bibliography. You are required to use a minimum of six references, one reference must come from each of the following sources: a journal/periodical, Internet, textbook, and personal interview. The topic of this report must be addressed in this course and approved by the instructor. You will also give a 5- to 10-minute oral presentation of your report to the class.

ASSESSMENT TASKS AND GRADING

Examinations (2 at 25 % each): 50%

Projects (research paper 20%, oral presentation 10%): 30%

Participation: 10%

Quizzes 10%

Your grade will be based on your attendance, participation and performance in completing the above tasks. Corresponding letter grades are as follows:

A = 100 – 90 pts

B= 89 – 80 pts

C= 79 – 70 pts

D= 69 – 60 pts

F = 59 and below.

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

COURSE CONTENT. (This section is optional)

Concepts or Topics

- Impact of Plants on the Environment and Society
- Origins of Agriculture
- Soil
- The Plant Cell
- Plant Tissues
- Plant Organs and Functions
- Photosynthesis
- Respiration
- Plant Nutrition
- Cell Reproduction
- Sexual Propagation
- Asexual Propagation
- Commercial Plant Production

Skills or Competencies

1. Locate information.
2. Distinguish relevant and reliable information.
3. Identify plant structures.
4. Describe a production system for a crop or agricultural enterprise.

5. Determine what appropriate propagation methods would be used for a given crop.
6. Recognize best management practices for a given crop.

LEARNING RESOURCES

To be determined.

ADDITIONAL INFORMATION (This may be included here or in an appendix.)

- Students are expected to participate in all laboratory activities and complete all course assignments on time.
- 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.
- Students are expected to be prepared in advance when they arrive to class.
- Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time in class. It is the student's responsibility to be informed of these changes.
- It is also the student's responsibility to be informed about deadlines critical to making registration changes (e.g., last day of erase period and last day for making an official withdrawal).
- If the instructor's office hours do not work with your schedule, please e-mail or call to set up an appointment.
- The schedule and activities in this course are subject to change.
- MySuccess: Students may be referred for extra help or advising through MySuccess. Students can also explore resources at MySuccess.Hawaii.edu and windward.hawaii.edu/MySuccess

DISABILITIES ACCOMMODATIONS

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Roy Inouye can be reached at (808) 235-7448, royinouy@hawaii.edu, or you may stop by Hale Kāko'o 106 for more information.

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Jojo Miller, Confidential Advocate
 Phone: (808) 348-0663
 Email: advocate@hawaii.edu

Office: Hale Kāko‘o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Office: Hale Kāko‘o 101

Karen Cho, Deputy Title IX Coordinator

Phone: (808) 235-7404

Email: kcho@hawaii.edu

Office: Hale ‘Alaka‘i 120

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University’s Title IX resources and the University’s Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/

ACADEMIC INTEGRITY (This section is optional)

Work submitted by a student must be the student’s own work. The work of others should be explicitly marked, such as through use of quotes or summarizing with reference to the original author.

In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s):

Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

ALTERNATE CONTACT INFORMATION

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alaka‘i 121
- Phone: (808) 235-7422