AG 192 Special Topics in Agriculture  
3 credits (CRN 62356)  
F 1:00 pm – 3:30 pm

INSTRUCTOR: Dr. Ingelia White  
OFFICE: Imiloa 101  
OFFICE HOURS: 11:00 am – 12:30 pm  
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EFFECTIVE DATE: Spring 2018

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 O`ahu’s Ko`olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

CATALOG DESCRIPTION

Special topic for Spring 2018: “Nutraceutical plant identification, maintenance and labeling at BMGC. Mapping and botanical data collection for Agripharmatech Series publication”

The course satisfies:
- DY (AA Liberal Arts)
- Elective (AS Natural Sciences)
- Elective (CA in Agripharmatech)
- One of the selected courses for CO in Plant-Food Production and Technology

Activities Required In Class and Other Than Class Times
Students will study scientific literature on plant taxonomy and plant nutraceuticals. Maintain medicinal garden plots including weeding, mulching, propagating, growing and watering at Bioprocessing Medicinal Garden Complex (BMGC). Collect data, mapping and documenting information for plant labeling and Agripharmatech Series publication.

STUDENT LEARNING OUTCOMES

1. Gain knowledge in botanical taxonomy and nomenclature
2. Become skillful in identifying nutraceutical plants
3. Gain knowledge in nutraceutical values of plants
4. Proficient in growing nutraceutical plants and maintaining organic medicinal garden
COURSE CONTENT

Concepts or Topics (List the terms, topics, or concepts students should know or understand)

• Botanical terminology
• Use of dissecting microscope
• Growing and maintaining nutraceutical plants
• Data collecting
• Mapping
• Plant labeling
• Agripharmatech Series publication

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

1. Master botanical terms (vegetative and generative parts)
2. Skill in using dissecting microscope to distinguish unique characteristics of plant families and species
3. Competence in growing organic nutraceutical plants
4. Proficiency in collecting and documenting data for plant labeling and prepare manuscript for publication

COURSE TASKS

Mastering botanical terms - vegetative and generative parts of plants to identify the unique characteristics of plant species through morphological and anatomical observation. Gathering data (botanical description, taxonomical verification, nutraceutical value) for plant labeling and Agripharmatech Series publication.

ASSESSMENT TASKS AND GRADING

Method of grading:

• Lecture/discussion/participation 100 points
• Field work 100 points
• Lab work 100 points
• Group work (preparation for Label and publication) 200 points

Total points 500 points

Note. There is no exam for this class.

Letter grades will be assigned as follows:

A .............90% or above in total points.
B .............80 – 89.9% of total points.
C .............65 – 79.9% of total points.
D .............55 – 64.9% of total points.
F .............below 55% of total points/informal/incomplete official withdrawal from the course.
I .............Incomplete; given at the instructor’s option when you are unable to complete a small part of the course because of circumstances beyond your control. It is your responsibility to make up incomplete work. Failure to satisfactorily make up incomplete work within the appropriate time period will result in a grade change for “I” to contingency grade identified by the instructor (see catalog).
CR .............65% or above in total points; you must indicate the intent to take the course as CR/N in
writing by April 2, 2018 (see catalog).
NC….....Below 65% of total points; this grade only available under the CR/N option (see above and see Catalog).
N……..Not given by this instructor except under extremely rare circumstances (e.g. documented serious illness or emergency that prevents you from officially withdrawing from the course); never used as an alternative for an “F” grade.
W……..Official withdrawal from the course without a “W” Grade (February 1, 2018). Last day withdrawal with a “W” Grade (April 2, 2018) (see catalog). Waiver of minimum requirements for specific grades will be given only in unique situations at the instructor’s discretion.

LEARNING RESOURCES

Hand-outs will be provided. Other learning resources are available in the internet and WCC library.

Additional Information

DISABILITIES ACCOMMODATION STATEMENT
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 Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale ‘Akoakoa 213 for more information.

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