Windward Community College
Turf Grass Management
Ag 182 Outline

Credit Hours: 3

Catalog Description:
Identify, propagate, plant and maintain various turf grasses for lawn, park and athletic usage. Also studies fertilization, irrigation, plant manipulation, and pest control in turf situations.

Recommended Basic Skills:
Basic math including some algebra and high school level reading.

Recommended Attire: Outdoor work attire and covered shoes.

Instructor: Jason Amoy
Phone: 382-3743
Email: jjamo2@gmail.com
Office Hours: After class by appointment
Ag 182: Turf Grass Management

A. Topics Covered
   1. Grass anatomy, morphology, classification, species, and varieties.
   2. Grass establishment.
   3. Basic soil concerns.
   5. Turf grass manipulation.

B. Upon completion of this course, the student should be able to:
   1. Identify grasses grown in Hawai‘i.
   2. Describe their growth habits.
   3. Select a reasonable turf variety for a given site and use.
   4. Establish turf grass utilizing different techniques.
   5. Perform maintenance practices to obtain higher quality turf.
   6. Determine establishment and maintenance costs.
   7. Apply relevant pest management principles in maintenance decisions.

C. Prerequisite: Plant Science or consent.

Evaluation:

A. Exams: 60% (20% Mid-term, 40% Final)
B. Research Report: 20%
C. Participation: 20%

Student Responsibility

A. Twenty four hour notice if missing an exam or oral presentation.
Research Report:

A. This requirement shall be 8-12 pages, double spaced, 14 point font, utilizing 1” margins. You will also be required to present your report orally to the class in a 5-7 minute speech. You must have a minimum of 3 references in support.

B. Paper topic and content:
You are to assume the role of a turf grass consultant. You will be given a scenario for which you will provide an appropriate selection of grass and defend its choice as high performing. You will have to detail the background of the grass, its environmental and cultural requirements, the preferred method of establishment, any challenges it might face, and manipulation that supports your choice.

Written Report 70%
Oral Report 30%