DISCIPLINE
Agribusiness

COURSE TITLE
Turfgrass Management I

CR.HR 3 LECT HR. 3 LAB HR. 2 CLIN/INTERN HR. CLOCK HR. 

CATALOG DESCRIPTION
More specific information provided on turfgrass management. Topics such as green construction, topdressing, sprayer calibration, management programs (i.e., setting up a lawn care program) and the influence of environment on turfgrass growth.

PREREQUISITES
Turfgrass Management I

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Demonstrate advanced knowledge of turfgrass growth and development.

2. Produce a term project on developing the establishment or restoration of a turfgrass area including the design, maintenance (seeding, fertilizing, watering, pest control), budgeting (personnel, equipment and supplies), mowing, harvesting, installation and follow-up evaluation for a specialized client. Emphasis on customer needs and satisfaction.
GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Students will develop and demonstrate the ability to communicate clearly and effectively with others.
2. Students will apply essential math skills and use formulas appropriate in landscape projects.
3. Students will increase familiarity with appropriate resources to advance knowledge and network within their field of employment or as entrepreneurs.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written reports (1-2)
2. Exams (1-2)
3. Field demonstration (2)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Turfgrass management practices for specific needs
   A. Residential properties
   B. Commercial properties
   C. Golf courses
   D. Sports playing fields
   E. Natural and restored areas

II. Integrated Pest Management
   A. Recognizing turfgrass environmental stresses
   B. Identification of insects and diseases
   C. Least toxic management practices

III. Selection and maintenance of equipment
   A. Mowers, sprayers, aerators and other equipment
   B. Irrigation systems

IV. Managing budgets and personnel
   A. Projecting costs of supplies, labor, and insurance
   B. Seasonal scheduling
   C. Continuing education, credentials, and professional memberships
   D. Safety training