Lecture Contact Hours: 32-36; Homework Hours: 64-72; Total Student Learning Hours: 96-108
Laboratory Contact Hours: 48-54; Homework Hours: 0; Total Student Learning Hours: 48-54

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

ORNAMENTAL HORTICULTURE 265 – GOLF COURSE AND SPORTS TURF MANAGEMENT

2 hours lecture, 3 hours laboratory, 3 units

Catalog Description
Advanced study in the specialization of golf course and athletic field management. Includes specialized turf management techniques, specialized equipment, budget development, scheduling requirements, and administrative considerations.

Prerequisite
"C" grade or higher or "Pass" in OH 174 or equivalent or concurrent enrollment

Entrance Skills
Without the following skills, competencies and/or knowledge, students entering this course will be highly unlikely to succeed:
1) Identify the important turf grasses and ground covers of California.
2) Demonstrate the proper cultural practices for the above grasses and ground covers.
3) Identify the important diseases and pests and determine their control.
4) Demonstrate the proper use and maintenance of common turf equipment.

Course Content
1) History of golf course and sports turf management
2) Specialized scheduling of golf course operations
   a. Renovation and overseeding
   b. Aeration
   c. Pest, disease and weed control
   d. Golf course equipment
   e. Daily maintenance schedules
   f. Developing a yearly schedule and budget
3) Specialized scheduling of athletic fields
   a. Renovation and overseeding
   b. Aeration
   c. Pest, disease and weed control
   d. Athletic field equipment
   e. Daily maintenance schedules
   f. Developing a yearly schedule and budget
4) Golf course and athletic field construction requirements
   a. Greens, fairways and tees
   b. Baseball, football, soccer and track
5) Golf course and athletic field administration

Course Objectives
Students will be able to:
1) Identify and select the correct turfgrass and groundcover species based on location, soil, water quality and use to maximize healthy growing conditions.
2) Identify cool and warm season turf and groundcovers and match them with proper environmental conditions.
3) Identify seeding and propagation methods and select proper planting seasons to maximize growth.

4) Determine proper seeding rates and spacing of plants during propagation.
5) Identify disease, insects, and weeds related to turf and groundcovers and select proper control methods along with an integrated pest management program.
6) Use industry standards to properly renovate a turf area.
7) Apply seasonal fertilizers to turf and groundcover.
8) Properly overseed a Bermuda grass turf.

Method of Evaluation
A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.
1) Quizzes and exams which measure student's ability to identify turfgrass and ground cover species, determine propagation methods and procedures, and identify and recommend control or correction measures for biotic and abiotic conditions in turf.
2) Practical exams which measure students' ability to perform renovation and fertilization for turf and groundcovers and demonstrate the proper method for overseeding warm season turf.

Special Materials Required of Student
None

Minimum Instructional Facilities
1) Standard lecture classroom
2) Field site for demonstrations and lab activities

Method of Instruction
1) Lecture and demonstration
2) Laboratory
3) Field Trips

Out-of-Class Assignments
Reading assignments

Texts and References
1) Required (representative example): Emmons and Thomas. *Turf Grass Science and Management*. 4th edition. Delmar Learning, 2008.
2) Supplemental: None

Student Learning Outcomes
Upon successful completion of this course, students will be able to:
1) Identify and select the correct turfgrass and groundcover species based on location, soil, water quality and use to maximize healthy growing conditions.
2) Identify cool and warm season turf and groundcovers and match them with proper environmental conditions.
3) Identify seeding and propagation methods and select proper planting seasons to maximize growth.
4) Determine proper seeding rates and spacing of plants during propagation.
5) Identify disease, insects, and weeds related to turf and groundcovers and select proper control methods along with an integrated pest management program.
6) Use industry standards to properly renovate a turf area.
7) Apply seasonal fertilizers to turf and groundcover.
8) Properly overseed a Bermuda grass turf.