Turfgrass and Outdoor Resource Management (CSRF 6371)
Spring Semester 2019 (3 credit hours)

Syllabus

Lecturer: Roger D. Havlak
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Class Times: Wednesday (6 pm to 9 pm)
Class Location: CHP Bldg.; Room 205

Week 1 (January 16)
Review syllabus
Introduction to turfgrass and outdoor resource management

Week 2 (January 23)
Identification of plant parts; turfgrass growth and development
Turfgrass selection (warm season grasses)
Turfgrass selection (cool season grasses)

Week 3 (January 30)
Soil selection and management
Trials and tribulations of building a sports complex

Week 4 (February 6)
Turfgrass establishment/over-seeding with cool season grasses
Mowing management
Proper cultivation practices
Review for Exam #1

Week 5 (February 13)
**Exam #1
Turfgrass and Outdoor Resource Management

Week 6 (February 20)

Irrigation management—soil/plant/water relationships
Irrigation management—water sampling and analysis
Irrigation management—irrigation audits
Irrigation management—water budgets

Week 7 (February 27)

Nutrient management—soil sampling/analysis, turfgrass requirements, and types of fertilizers
Review for Exam #2

Week 8 (March 6)

**Exam #2

Week 9 (March 13)

**SPRING BREAK

Week 10 (March 20)

Field trip: Demonstrations for turf/tree identification, soils, mowing, cultivation, etc.
Demonstrations of irrigation audits
Soil and water sampling

Week 11 (March 27)

Weed management in turfgrass
Disease management in turfgrass
Insect management in turfgrass

Week 12 (April 3)

Turfgrass mathematics—surface area measurements
Turfgrass mathematics—sprayer calibration/application/environmental issues
Turfgrass mathematics—pesticide application calculations
Review for Exam #3
Turfgrass and Outdoor Resource Management

Week 13 (April 10)

Field Trip: Demonstrations of surface area measurements
           Spreader and sprayer calibration/application/environmental issues
           Troubleshooting turf issues, pesticides, sampling techniques, etc.

Week 14 (April 17)

**Exam #3
Budgets: Are you prepared to justify?

Week 15 (April 24)

Field Trip: Park systems and sports field management; infields and equipment maintenance

Week 16 (May 1)

**Turfgrass Reports/Presentations
Review of course material, demonstrations, field trips, and final exam

Week 17 (May 8)

**Final Exam (Comprehensive)

Grade:

Exam #1  20%  A = 90 – 100
Exam #2  20%  B = 80 – 89
Exam #3  20%  C = 70 – 79
Report/Presentation  10%  D = 60 – 69
Attendance/Participation 10%  F = Below 60
Final Exam  20%  100%

**It is the responsibility of the student to contact me prior to any exam or assignment date if the student is unable to be present to complete the exam/assignment.