Turfgrass and Outdoor Resource Management (CSRF 6371)  
Spring Semester 2021 (3 credit hours)

Syllabus

Lecturer: Roger D. Havlak  
325/245-1518  
rhavlak1@angelo.edu

Class Times: Monday (6 pm to 9 pm)  
Class Location: CHP Bldg.; Room 205

Week 1 (January 25)

Review syllabus  
Introduction to turfgrass and outdoor resource management

Week 2 (February 1)

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

Week 3 (February 8)

Soil selection and management  
Trials and tribulations of building a sports complex

Week 4 (February 15)

Turfgrass establishment/over-seeding with cool season grasses  
Mowing management  
Proper cultivation practices  
Review for Exam #1

Week 5 (February 22)

**Exam #1
Turfgrass and Outdoor Resource Management

Week 6 (March 1)

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

Week 7 (March 8)

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

Week 8 (March 15)

**Exam #2

Week 9 (March 22)

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

Week 10 (March 29)

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

Week 11 (April 5)

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 12 (April 12)

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

Week 13 (April 19)

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

Week 14 (April 26)

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

Week 15 (May 3)

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

Week 16 (May 10)

**Final Exam (Comprehensive)

Grade:

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<th>Component</th>
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<td>Exam #1</td>
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**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.