

Turfgrass and Outdoor Resource Management (CSRF 6371)
Spring Semester 2022 (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 203

Week 1 (January 19)

Review syllabus
Introduction to turfgrass and outdoor resource management

Week 2 (January 26)

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

Week 3 (February 2)

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

Week 4 (February 9)

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

Week 5 (February 16)

****No Class/TRAPS Conference in College Station, Tx.**

Week 6 (February 23)

****Exam #1**

Irrigation management—soil/plant/water relationships

Irrigation management—water sampling and analysis

Week 7 (March 2)

Irrigation management—irrigation audits

Irrigation management—water budgets

Nutrient management—soil sampling/analysis, turfgrass requirements, and types of fertilizers

Review for Exam #2

Week 8 (March 9)

****Exam #2**

Week 9 (March 16)

****Spring Break---No Class**

Week 10 (March 23)

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

Week 11 (March 30)

Weed management in turfgrass

Disease management in turfgrass

Insect management in turfgrass

Week 12 (April 6)

Turfgrass mathematics—surface area measurements

Turfgrass mathematics—sprayer calibration/application/environmental issues

Turfgrass mathematics—pesticide application calculations

Review for Exam #3

Week 13 (April 13)

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

Week 14 (April 20)

****Exam #3**

Budgets: Are you prepared to justify?

Week 15 (April 27)

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

Week 16 (May 4)

****Turfgrass Reports/Presentations**

****Comprehensive Course Notebooks Due**

Review of course material, demonstrations, field trips, and final exam

Week 17 (May 11)

****Final Exam (Comprehensive)**

Grade:

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