

# Introduction to Turfgrass Management Horticulture 2303/2300L

- Instructor - Dr. Michael D. Richardson, Horticulture Department  
309 Plant Science Building  
575-2860  
mricha@comp.uark.edu*
- Text - Turfgrass Management, 5<sup>th</sup> Edition, A.J. Turgeon*
- Lecture - Tues / Thurs 9:30-10:20 - Poultry Science 133*
- Lab - Tuesday 3:30-5:20 - Poultry Science 133*
- Office Hours - Tuesday and Thursday 10:30-12:00 (it is always best to make an appointment)*
- Contact Info - if you need to talk to me, **email** is the best way to get me a message (I may never return a phone call)*

## **Course Overview**

Introduction to Turfgrass Management is designed to give students a working knowledge of turfgrass management and start students down a career path in the exciting and growing green industry. Topics include adaptation and identification of major turfgrasses, propagation methods, fertility, irrigation, mowing, weed and pest control, cultivation, and turfgrass production. In addition to the basics, students in Intro to Turfgrass Management will get a survey look of golf course and sports field management, lawn-care, and sod production.

The overall mission of this class has changed somewhat from recent years, in that the laboratory section of this class will consist primary of further lecture and discussion, case studies, guest lectures, and selected field trips. A second course, called Commercial and Residential Turfgrass Management (HORT 3403) will be offered by Dr. Doug Karcher every spring semester and will primarily focus on laboratory learning. The second course will serve as the hands-on aspect of the present class.

The primary means of evaluation in this class will include 2 mid-semester exams and a comprehensive final exam. In addition, students will be required to complete 6-7 case study modules during the semester that will involve math problems, library research, and problem-solving.

**Grading** - 10 pt. scale, 9.5 or higher will be rounded up to next highest grade

1. 2 hourly exams will be given during the semester - each exam will count 100 points.  
**(Total 200 pts.)**
2. Homework / case studies (~200 pts.)
3. Final Exam **(200 pts.)**

Syllabus - Fall 2000:

Week	Lecture	Lab Activity	Reading
8/28 to 9/2	Turf - its everywhere !! How is it used ? What is quality turf ?	Lecture	Chapter 1
9/4 to 9/1	Turfgrass Structures and Growth	Walk Around Campus (meet in Plant Science 9)	Chapter 2
9/11 to 9/15	Turfgrass Selection	Tour Research Farm (meet at Horticulture Field Lab)	Chapter 3
9/18 to 9/22	Turfgrass Species	Turfgrass Plant and Seed ID (meet at APC greenhouse)	Chapter 3
9/25 to 9/29	Turfgrass Environment <b>Exam 1, Thursday Sep. 28</b>	Lecture	Chapter 4
10/2 to 10/6	Turfgrass Establishment	Tour Razorback Stadium (meet in front of Broyles Complex)	Chapter 8
10/9 to 10/13	Soils and Nutrition	Lecture	Chapters 4/5
10/16 to 10/20	Mowing	Lecture	Chapter 5
10/23 to 10/27	Irrigation	LB Vaught - Keeling Irrigation	Chapter 6
10/30 to 11/3	2 <sup>o</sup> Cultural Practices	Tour Stone Bridge Meadows Golf Club (meet at Plant Science)	Chapter 6
11/6 to 11/10	<b>Exam 2 - Tuesday, November 7</b> NO CLASS - THURSDAY, NOV. 9	No Lab	
11/13 to 11/17	Weeds	Tour Farm and Weed Nursery (meet at Alzheimer Lab)	Chapter 7
11/20 to 11/24	Diseases / Insects	Lecture	Chapter 7
11/27 to 12/1	Turfgrass Production	Lecture	Chapter 9
12/4 to 12/8	Sports Turf	Roger Gravis - Quail Valley Farms	Chapter 9
12/6 to 12/10	<b>Final Exam - Monday, Dec. 18 –</b> 7:30 am		

**Assigned Reading** - Students are required to keep up with the reading. Questions will often come from the reading, regardless of whether it has been covered in lecture or not.