

## Hort 378: Turfgrass Science 4 credits Spring 2007

Lecture: MWF 8:30-9:20 183 Gerald Thomas  
Lab: W 1:30-3:30 W130 Skeen Hall

**Instructor:** Dr. Ryan Goss                      Office: N334 Skeen Hall  
                  Phone: 646.3297                      e-mail: ryangoss@nmsu.edu

**Office hours:**    MWF: 8:00-8:20; and 9:30-10:30; or by appointment

**Course description:**    Survey of turfgrass industry including golf course, lawn and landscape, athletic field, and sod production.

**Course objectives:**    1) Turfgrass identification and use  
                                  2) Learn principles of turfgrass establishment and management  
                                  3) Basic turf pest management principles and practices  
                                  4) Environmental influences on turf growth and management  
                                  5) Identification of common turfgrass pests

**Required text:**    Fundamentals of Turfgrass Management. 2004. 2<sup>nd</sup> ed. N.E. Christians.  
                                  *Available at the Bookstore.*

**Reference texts:**    1) Turfgrass Management. 2005. 7<sup>th</sup> ed. A. Turgeon  
                                  2) Turfgrass: Science and Culture. 1973. J.B. Beard.

**Grading scale (%):**     $\geq 92 = A$           81-91 = B          70-80 = C          60-69 = D           $< 60 = F$

### Grading will be based upon the following structure:

<u>Lecture</u>		<u>Lab</u>	
Quizzes <sup>†</sup>	420 pts	Homework I	25 pts
Final Exam	180 pts (cumulative)	Homework II	25 pts
		Quizzes <sup>‡</sup>	50 pts
		Project	100 pts
		Mid-term Exam	80 pts
		Lab Final (cumulative)	120 pts
<hr/>		<hr/>	
Subtotal	600 pts	Subtotal	400 pts = <b>1000 pts Total</b>

† Lecture quizzes will include daily quizzes.

‡ Laboratory quizzes will include at least 5 unannounced quizzes (10 pts ea.).

## POLICIES!!!!

### Lecture notes/outline:

Students are responsible for taking their own notes or to download lecture notes/outline prior to each lecture. Lectures will be available at: <http://salsa.nmsu.edu/> at least 24 hr prior to class.

### Missed quizzes/exams:

No makeup exams or quizzes will be scheduled except for extremely extenuating circumstances (e.g., death in family) in either lecture or lab.

**Class participation:**

Class participation is encouraged and may help decide borderline grades.

**Academic Misconduct (Undergraduate Catalog)**

Students at NMSU are expected to observe and maintain the highest academic, ethical, and professional standards of conduct. Any student found guilty of academic misconduct shall be subject to disciplinary action. Academic misconduct includes, but is not limited to, the following actions:

1. Cheating or knowingly assisting another student in committing an act of cheating or other forms of academic dishonesty;
2. Plagiarism, which includes, but is not necessarily limited to, submitting examinations, themes, reports, drawings, laboratory notes, undocumented quotations, computer-processed materials, or other material as one's own work when such work has been prepared by another person or copied from another person;
3. Unauthorized possession of examinations, reserve library materials, or laboratory materials;
4. Unauthorized changing of grades on an examination, in an instructor's grade book, or on a grade report; or unauthorized access to academic computer records;
5. Nondisclosure or misrepresentation in filling out applications or other university records in, or for, academic departments or colleges.

**Academic Misconduct Class Policy:**

Cheating will not be tolerated on any class activity. Depending on the situation, the quiz/exam may receive zero points, the student may be asked to leave the class, or the student may be subjected to further disciplinary action at the university level (e.g., hearing with possible dismissal from the university). Plagiarism is a crime in addition to being academically dishonest and will not be tolerated. Plagiarism can be committed unintentionally by quoting or copying others' works without providing the proper credit (literature citations). Ask me for help if you are unsure about plagiarism.

**STUDENTS WITH DISABILITIES:**

If you have (or believe you have) a disability and would benefit from classroom accommodation(s), please contact the Services for Students with Disabilities (SSD) Office located at Corbett Center, Room 244 [Phone: 646-6840; TTY: 646-1918]

**Student Responsibilities:**

1. Register with SSD and obtain accommodation documents early in the semester;
2. Deliver the completed accommodation and testing form(s) to the instructor(s) within the first two weeks of beginning of classes (or within one week of the date services are to commence);
3. Retrieve the signed form(s) from faculty and return to SSD within (5) days of the receipt from faculty and at least one week before any scheduled exam; and,
4. Contact the SSD Office if the services/accommodations requested are not being provided, not meeting your needs, or if additional accommodations are needed. Do not wait until you receive a failing grade. Retroactive accommodations cannot be considered.

**Faculty Responsibilities**

1. Sign the *ACCOMMODATION REQUEST FORM* and *TESTING ACCOMMODATION FORM* (when presented), retain a copy, and return the original to the student within five (5) working days of receipt;
2. Contact SSD immediately if there are any questions or disputes regarding accommodation(s), disruptive behavior, etc.; and,
3. Refer the student to SSD for any additional accommodations.

**Important University Dates:**

Jan 30 – Last Day for Course Additions  
Jan 30 – Deadline for Filing Degree Application  
Mar 12 – Last Day to Drop (w/ 'W')  
Mar 19-23 – Spring Break  
Apr 6 – Spring Holiday

**Important Class Dates:**

Class Cancelled                      Jan 22, Feb 21, Feb 23, Mar 16  
Final Exam                              Wednesday May 9; 8:00-10:00am

## Lecture Schedule<sup>†</sup>

Lecture	Approximate Lecture #s	Topics
1	2	Benefits of Turfgrass
2	2	History of Turfgrass
3	1	Turfgrass Industry
4	2	Turfgrass Adaptation and Quality
5	2	Turfgrass Growth and Development
6	2	Turfgrass and the Environment
7	1	<i>Poa</i> Species
8	1	<i>Lolium</i> Species
9	1	<i>Agrostis</i> Species
10	1	<i>Festuca</i> Species
11	3	Warm Season Turfgrasses
12	1	Alternative Turfgrass Species
13	3	Turfgrass Establishment
14	2	Turfgrass Rootzone and Soil
15	1	Mowing
16	2	Fertility
17	2	Irrigation
18	2	Cultivation
19	2	Secondary Cultural Practices
20	2	Integrated Turfgrass Weed Management
21	2	Turfgrass Pathology
22	2	Turfgrass Entomology
<b>FINAL EXAM</b> (May 9, 8-10am; comprehensive)		

† Please note that this schedule is a proposed time tables for lecture topics and examination. Changes may be made to the above schedule as the semester progresses.

### **Lecture Quizzes and Final Exam:**

Each Daily Lecture Quiz is worth 15 pts. Quizzes may or may not be announced and may be presented in any form. Quizzes are not subject to makeup. If more quizzes are given than points allowed (>27 quizzes), the lowest grade of each student will be dropped. Unless otherwise noted in class, each Daily Lecture Quiz will include material covered in previous classes or readings. Final Exam is comprehensive and will be based on daily quizzes. All exams and quizzes will include a variety of testing methods and may include: multiple choice, matching, short answer, short essay, etc. All exams and quizzes must be completed during allotted class time. Makeup exams and quizzes will not be given without prior permission granted by me. NO EXCEPTIONS. Emailing or calling me the day of the exam does not constitute prior permission.

## Laboratory Schedule<sup>†</sup>

Laboratory	Date	Topics
1	Jan 24	Introduction; Turfgrass Establishment
2	Jan 31	Turfgrass Math
3	Feb 7	Seed ID; Labeling and Calculation
4	Feb 14	Establishment Project
5	Feb 21	<b>NO CLASS</b>
6	Feb 28	Turfgrass ID
7	Mar 7	<b>MID-TERM EXAM</b>
8	Mar 14	Irrigation
9	Mar 21	<b>SPRING BREAK</b>
10	Mar 28	Sprayer and Sprayer Calibration; Fertility; Spreader Calibration
11	Apr 4	Campus Tour; Weed ID
12	Apr 11	Pesticides and Pesticide Labeling
13	Apr 18	TBD
14	Apr 25	<b>LAB FINAL EXAM</b>
15	May 2	Establishment Project Presentations

† Please note that this schedule is a proposed time tables for laboratory topics and examination. Changes may be made to the above schedule as the semester progresses.

### **Laboratory Mid-term and Final Exam:**

Unless otherwise noted in class, each Laboratory Exam will include material covered as listed in course laboratory schedule and is cumulative. Final Exam is comprehensive. All exams will include a variety of testing methods and may include: multiple choice, matching, short answer, short essay, mathematical problem solving, etc. All exams must be completed during laboratory on the designated exam day. Makeup exams will not be given without prior permission granted by me. NO EXCEPTIONS. Emailing or calling me the day of the exam does not constitute prior permission.

### **Quizzes:**

Each Quiz is worth 10 pts. Quizzes may or may not be announced and may be presented in any form. Quizzes are not subject to makeup. If more than 5 quizzes are given, the lowest grade of each student will be dropped.

### **Homework:**

The two homework assignments will be given during the semester. Homework assigned will be due at the beginning of the next laboratory session. All resources available to the student may be used to complete each homework assignment.

### **Late assignments:**

Lose 50% of points; not accepted if more than 2 days late.