

## ADVANCED TURFGRASS MANAGEMENT

LECTURE

MWF 9:05-9:55, Agricultural Engineering Bldg room 119

COURSE PERSONNEL

Instructor: Dr. Scott Ebdon (Office 12F, Stockbridge; Phone: 545-2506; E-mail: sebdon@pssci.umass.edu)

PREREQUISITE

Introductory Turfgrass Management (PLNTSOIL 230) and Turfgrass Physiology and Ecology (PLNTSOIL 275) or consent of instructor.

OFFICE HOURS

Tu Th 10-11.00 (or by appointment)

AUDITORS

Auditors may not hand in exams for grading, but otherwise are encouraged to participate fully in lectures.

COURSE PACKET (Required)

Contains copies of all overheads used in class lectures and lecture notes. Available at the Textbook Annex on campus (Cost \$35.75).

COURSE OBJECTIVES

To develop concepts beyond the introductory level. Management of environmental stresses and special problems specific to high maintenance turf areas such as golf course and sports turf will be discussed.

LECTURE EXAMINATION SCHEDULE AND POLICY

There will be two (2) hourly exams during the semester (March 2<sup>nd</sup> and April 13<sup>th</sup>) that will not be cumulative. Exams will consist primarily of short answer type questions. Also, the final exam (third class exam given during final exam period) will not be cumulative (time and place to be announced). Missed exams will result in a "0" unless my office is notified prior to the schedule exam date. Reasons for missed exams must be approved by the instructor. Exceptions will be made for documented medical and family emergencies. Cheating on exams will not be tolerated. Students caught cheating will receive a "0" for the exam. This determination will be made by several university officials.

GRADING POLICY

The two (2) hourly exams and one (1) final exam will carry equal weight towards the course grade and count for 75% of the final course grade. There will be nine (ten point) weekly quizzes, the lowest quiz grade will be dropped. The average of eight weekly quizzes will represent 25% of the final course grade. Quizzes will be given on Fridays.

PLNTSOIL 340

First Exam	25%
Second Exam	25%
Third Exam	25%
Weekly Quiz	25%

GRADING SCALE

90 to 100	A
87 to <90	B+
80 to <87	B
77 to <80	C+
70 to <77	C
67 to <70	D+
60 to <67	D
<60	F

INSTRUCTOR'S EXPECTATION

Students are responsible for attending lectures. Attendance will not be taken, however, your absence will cost you directly in miss opportunities to learn and understand new concepts that you will be responsible for on quizzes and exams. Exam questions will come primarily from lecture notes, therefore, your attendance is important. Your instructor will not lend his notes to you. If you miss class, you must obtain notes from a classmate. Students are strongly encouraged to ask question during class or after class.

## TENTATIVE LECTURE SCHEDULE

Week	Month	Date	Topic
1	January	26-28	Course Overview/ Developing Effective Nitrogen Program
2	Jan./Feb.	31-4	Developing Effective Nitrogen Program/Enhancing Nitrogen Use Efficiency (NUE)✕
3	February	7-11	Nitrogen Types and Release Characteristics✕
4		14-18	Fertilizer Burn Control/Fertilizer Programming-General Guidelines✕
5		21-25	Fertilizer Programming-Golf and Sports/Assessing Nutrient Status <sup>1</sup>
6	Feb./Mar.	28-4	Water Conservation Justification & Strategies/Drought Resistance <sup>2</sup>
7	March	7-11	Factors Influencing Evapotranspiration and Rooting <sup>3</sup>
8		14-18	SPRING BREAK
9		21-25	Determining When to Water✕
10	Mar./Apr.	28-1	Plant Growth Regulators: Use, Characteristics, Limitations✕
11	April	4-8	Traffic: Compaction and Wear-Causes and Effects✕
12		11-15	Alleviating Soil Compaction/Topdressing/Improving Wear Tolerance <sup>4</sup>
13		18-22	Winter Injuries: Low Temperature Kill/Ice Cover <sup>5</sup> ✕
14		25-29	Winter Injuries: Traffic/Desiccation/Symptoms✕
15	May	2-6	Special Topics✕
16		9-11	Special Topics

<sup>1</sup> Monday class schedule will be followed on Wednesday, Feb. 23<sup>rd</sup>. No scheduled classes for Monday, Feb. 21<sup>st</sup> PRESIDENTS DAY

<sup>2</sup> First Hourly Exam scheduled for Wednesday March 2<sup>nd</sup>.

<sup>3</sup> Week of the New England Regional Turfgrass Conference & Show. No scheduled classes for Wednesday March 9<sup>th</sup>.

<sup>4</sup> Second Hourly Exam scheduled for Wednesday April 13<sup>th</sup>.

<sup>5</sup> Monday class schedule will be followed on Thursday, April 21<sup>st</sup>. No scheduled classes for Monday, April 18<sup>th</sup> PATRIOTS DAY.

✕ Weekly (Friday) Quiz scheduled for the week.