

# **New Courses**

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MAY 30 2014

GRADUATE STUDIES

Texas A&M University
Departmental Request for a New Course
Undergraduate ♦ Graduate ♦ Professional

• Submit original form and attach a course syllabus. •

- 1. This request is submitted by the Department of Plant Pathology & Microbiology
2. Course prefix, number and complete title of course: PLPA 634 Turfgrass Pathology
3. Course description (not more than 50 words): Recognizing turfgrass problems and understanding biological mechanisms in the disease process; principles of disease management strategies
4. Prerequisite(s) Cross-listed with
5. Is this a variable credit course? Yes No
6. Is this a repeatable course? Yes No
7. Has this course been taught as a 289/489/689? Yes No

- 8. This course will be:
a. required for students enrolled in the following degree program(s)
b. an elective for students enrolled in the following degree program(s)
9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments.

Table with 3 columns: Prefix, Course #, Title (excluding punctuation). Below it is a grid for course details including Lect, Lab, SCH, Subject Matter Content Code, Admin. Unit, Acad. Year, FICE Code, and Level.

Approval recommended by:
Head of Department
Head of Department (if cross-listed course)

Handwritten signatures and dates for Chair of College Review Committee, Dean of College, and Director of Academic Support Services.

Submitted to Coordinating Board by:
Director of Academic Support Services



Course title and number	Turfgrass Pathology, PLPA 634
Term	Fall semester, 2016
Meeting times and location	Time 9:35-10:50 AM on Tuesday and Thursday, Peterson 208

### Course Description

Recognizing of important turfgrass problems and understanding of biological mechanisms in the disease process and principals of disease management strategies.

### Prerequisites

No prerequisites are required.

### Learning Outcomes

- Students will be able to recognize common turfgrass disease symptoms and signs
- Students will be able to diagnose turfgrass problems with the ability to distinguish between biotic diseases and abiotic disorders
- Students will be able to know the life cycles of the common turfgrass pathogens and how this knowledge translates to the formulation of effective management practices
- Students will be able to appreciate pathogen morphology and entity in multiplication and dispersal
- Students will be able to familiarize turfgrass species and their growth habits, and how this relates to disease development
- Students will be able to understand the interactions among pathogens, turfgrass growth, and environmental conditions
- Students will be able to know IPM strategies for turfgrass including fungicides, cultural practices, host genetics, and biological control agents.

### Instructor Information

Name	Young-Ki Jo
Telephone number	979-862-1758
Email address	ykjo@tamu.edu
Office hours	Time 11AM-12PM on Tuesday and Thursday
Office location	Peterson 118C

### Textbook

Compendium of Turfgrass Diseases, APS Press, 3<sup>rd</sup> edition by Richard Smiley, Peter Dernoeden and Bruce Clarke

### Graduate Student Requirement

The assignment for graduate students includes writing of a literature review and a fact sheet.

## Grading Policies

Letter grades will be assigned based on the accumulation of points earned throughout the semester. Grade will be assigned based on the number of points earned out of a total of 500 as a following scale.

Grade Assigned	Points Earned	Description	Points
A 85%	425-500	Evaluations (2)	200
B 75%	375-424	Final evaluation (in the final week)	100
C 65%	325-374	Quizzes	30
D 60%	300-324	Class attendance	10
		Group activities	10
		Turfgrass disease digital collection	40
		Class presentation (by assignment)	10
		A literature review	50
		A fact sheet	50
		Total points possible	500

## Course Topics, Calendar of Activities, Major Assignment Dates

Week	Topic	Required Reading (Compendium of Turfgrass Diseases)
1	Introduction of plant pathology	
1	Overview of turfgrass disease	1-7
2	Why my turf turns brown?	11-16
2	Noninfectious disease	8-11
3	Fungicides	142-145
3	Fungicide resistance	145-146
4	Fungicide resistance	145-146
4	Foliar diseases	17-56
5	<b>First evaluation</b>	
5	<i>Site visit to a golf course</i>	
6	Foliar diseases	17-56
6	Foliar diseases	17-56
7	Foliar/root/crown diseases	56-88
7	Foliar/root/crown diseases	56-88
8	Foliar/root/crown diseases	56-88
8	Root/crown diseases	88-105
9	Root/crown diseases	88-105
9	Root/crown diseases	
10	<b>Second evaluation</b>	
10	<i>Site visit to a sport field</i>	88-105
11	Nematode diseases	117-122
11	Viruses and bacteria disease	106-108, 126-129
12	Endophytes	109-110
12	Biological control management	146-147
13	<i>Turfgrass pathology jeopardy</i>	
14	Host resistance	139-140
14	Cultural management	140-142
15	<b>Turfgrass disease digital collection, Literature review, and Fact sheet</b>	

**Class presentations** will be conducted from week 5 through week 14. Numbers of presentations per class will depend upon enrollment.

## Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>

## Academic Integrity

Aggie Honor Code “An Aggie does not lie, cheat, or steal or tolerate those who do.” Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the Texas A&M University community from the requirements or the processes of the Honor System. For additional information visit <http://aggiehonor.tamu.edu>

## Attendance Policies

There is no attendance requirement.

### Make-up Policy:

If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz, exam or other work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. The make-up work must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence. The reasons absences are considered excused by the university are listed below. See Student Rule 7 for details (<http://studentrules.tamu.edu/rule07>). The fact that these are university-excused absences does not relieve the student of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.

- 1) Participation in an activity that is required for a class and appears on the university authorized activity list at <https://studentactivities.tamu.edu/app/sponsauth/index>
- 2) Death or major illness in a student's immediate family.
- 3) Illness of a dependent family member.
- 4) Participation in legal proceedings or administrative procedures that require a student's presence.
- 5) Religious holy day. NOTE: Prior notification is NOT required.
- 6) Injury or illness that is too severe or contagious for the student to attend class.
  - a) Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
  - b) Injury or illness of less than three class days: Student will provide one or both of these (at instructor's discretion), within one week of the last date of the absence: (i.) Texas A&M University Explanatory Statement for Absence from Class form available at <http://attendance.tamu.edu> or (ii.) Confirmation of visit to a health care professional affirming date and time of visit.
- 7) Required participation in military duties.
- 8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.

Other absences may be excused at the discretion of the instructor with prior notification and proper documentation. In cases where prior notification is not feasible (e.g., accident or emergency) the student must provide notification by the end of the second working day after the absence, including an explanation of why notice could not be sent prior to the class.