The World of Turf
11:776:111 (3 credits)
Fall Semester (yearly)

CONTACT INFORMATION
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E-mail: phillip.vines@rutgers.edu
Office Hours: by arrangement

COURSE DESCRIPTION
11:776:111 The World of Turf introduces students to the societal and environmental benefits of turfgrass. Addressed is an overview of the turfgrass industry as well as principles for establishing and maintaining turf for home lawns, athletic fields, and golf courses. The course is open to students interested in gaining a general knowledge of the turf that is before us in our everyday lives – from parks, home lawns, and other recreational areas to athletic fields where we watch, or even play, our favorite sports. Students completing this course will have an understanding of the societal, cultural, agricultural, and environmental aspects of the turfgrass industry and basic knowledge of turfgrass growth, development, and management.

COURSE WEBSITE, RESOURCES AND MATERIALS
- Course website: Canvas. Lectures will be posted to the course website.
- There is no required textbook for this course. All required and supplemental readings will be provided and posted to Canvas.

PREREQUISITE
None

COURSE LEARNING GOALS (link to Plant Biology Undergraduate Program Goals: (http://plantbiology.rutgers.edu/undergrad/plantbiology/)

By the end of this course, the student will be able to:
1. Demonstrate a basic knowledge of turfgrass plant structure, function, growth, and physiology (addresses program goal 1, technical knowledge)
2. Comprehend the principles for establishing and maintaining (including pest management) turf for home lawns, athletic fields, and golf courses (addresses program goal 1, technical knowledge)
3. Demonstrate a full appreciation of the societal, cultural, agricultural, and environmental benefits of turfgrass (addresses program goal 2, context)
ASSIGNMENTS/RESPONSIBILITIES AND ASSESSMENT

Grading (370 points):

- In-class exams (3 at 50 points each) 150 points
- Final exam (100 points) 100 points
- Assignments (written assignments or reports) (8 at 10 points each) 80 points
- Journaling (20 points) 20 points
- Participation (20 points) 20 points
- Scale: 90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D

Exams will include lecture material and assigned readings.

Homework assignments on topics relevant to lectures are due at the beginning of class. Homework assignments that are not submitted during the specified time will be considered late and will be reduced by 1 point for each day it is late.

Journaling assignment includes ten, one-page journal entries of student observations of how turfgrass is used in specific situations in daily life (20 points).

Learning goals assessment: Specific questions on exams including the cumulative final are used to assess student knowledge of technical learning as well as student ability to place course material in context (course learning goals 1 and 2). Recognition of the role of turfgrass in agriculture, society, and the environment (course learning goal 2) will be further assessed in the journaling exercise and in-class discussions.

The percentage score on these assessments will determine the level of mastery: >90% outstanding; 80-89% good; 70-70% satisfactory; <69% unsatisfactory.

PARTICIPATION GRADE AND ABSENCE POLICY

The percentage score on these assessments will determine the level of mastery: >90% outstanding; 80-89% good; 70-70% satisfactory; <69% unsatisfactory.

PARTICIPATION GRADE AND ABSENCE POLICY

Participation has two elements: attending class and taking part in discussions and exercises. Attending class is an essential component of participation. Students are expected to read/review/complete all activities for each week’s lesson and participate in all required discussions and activities.

Attendance is mandatory. Laptops are welcome for notetaking, but internet surfing is not permitted. Students unable to attend may contact the instructor via e-mail prior to the missed class or may use the University absence reporting website (https://sims.rutgers.edu/ssra/) to indicate the date and reason for the absence. An e-mail is automatically sent to the instructor.
COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction</td>
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<td>2</td>
<td>A history of turf</td>
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<td>3</td>
<td>The turfgrass industry</td>
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<td>4</td>
<td>Careers in turf</td>
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<td><strong>Exam I</strong></td>
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<td>5</td>
<td>Turfgrass growth and development</td>
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<td>6</td>
<td>Turfgrass species</td>
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<td>7</td>
<td>Turfgrass establishment</td>
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<td>8</td>
<td>Turfgrass management practices</td>
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<td><strong>Exam II</strong></td>
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<td>9</td>
<td>Turfgrass diseases</td>
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<td>10</td>
<td>Turfgrass weeds</td>
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<td>11</td>
<td>Turfgrass insects</td>
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<td><strong>Exam III</strong></td>
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<td>12</td>
<td>Turfgrass management for home lawns</td>
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<td>13</td>
<td>Turfgrass management for athletic fields</td>
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<td><strong>Thanksgiving recess (no class)</strong></td>
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<td>14</td>
<td>Turfgrass management for golf courses</td>
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<td><strong>Final Exam (cumulative) TBD</strong></td>
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FINAL EXAM/PAPER DATE AND TIME

The final exam is cumulative.

The Online Final exam Schedule: [http://finalexams.rutgers.edu/](http://finalexams.rutgers.edu/)

ACCOMODATIONS FOR STUDENTS WITH DISABILITIES

Please follow the procedures outlined at [https://ods.rutgers.edu/students/registration-form](https://ods.rutgers.edu/students/registration-form). Full policies and procedures are at [https://ods.rutgers.edu/](https://ods.rutgers.edu/)

ACADEMIC INTEGRITY

The university's policy on Academic Integrity is available at [http://academicintegrity.rutgers.edu/](http://academicintegrity.rutgers.edu/)

The principles of academic integrity require that a student:
- Properly acknowledge and cite all use of the ideas, results, or words of others.
- Properly acknowledge all contributors to a given piece of work.
- Make sure that all work submitted as his or her own in a course or other academic activity is produced without the aid of impermissible materials or impermissible collaboration.
- Obtain all data or results by ethical means and report them accurately without suppressing any results inconsistent with his or her interpretation or conclusions.
• Treat all other students in an ethical manner, respecting their integrity and right to pursue their educational goals without interference. This requires that a student neither facilitate academic dishonesty by others nor obstruct their academic progress.
• Uphold the canons of the ethical or professional code of the profession for which he or she is preparing.

Adherence to these principles is necessary in order to ensure that:
• Everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments.
• All student work is fairly evaluated and no student has an inappropriate advantage over others.
• The academic and ethical development of all students is fostered.
• The reputation of the University for integrity in its teaching, research, and scholarship is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students. Every member of the University community therefore bears a responsibility for ensuring that the highest standards of academic integrity are upheld.

STUDENT WELLNESS SERVICES

Just In Case Web App  http://codu.co/cee05e
Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

Counseling, ADAP & Psychiatric Services (CAPS)
(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ www.rhscaps.rutgers.edu/
CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students’ efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

Violence Prevention & Victim Assistance (VPVA)
(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / www.vpva.rutgers.edu/
The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Disability Services
(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / https://ods.rutgers.edu/
Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: https://ods.rutgers.edu/students/documentation-guidelines. If the documentation supports your request for reasonable accommodations, your campus’s disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in
your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: https://ods.rutgers.edu/students/registration-form.

**Scarlet Listeners**  

Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.