

Golf and Sports Turf Management - ORH 4223

Spring 2016; Credits: 2

Catalog Description:

ORH 4223 - Golf and Sports Turf Management. *Credits: 2; Prereq: ORH3332C.* Strategies involved in golf course and athletic field operation including development of cultural practices, adherence to environmental regulations, personnel management, and budgeting.

Course Objectives:

To instill in student an understanding of management and maintenance of golf and athletic turfs, and to gain an appreciation for this segment of the turfgrass industry.

Course Format: Lecture: Monday - 4:00 - 5:45 PM

Teaching Format:

Guest lectures will be utilized to augment lectures by instructors. One *Weekend Learning Experience* (April 6) field trip and online discussion sessions will be conducted to acquaint students with a variety of golf and athletic field management practices as well as those used in closely related industries.

UF E-Learning Website: <https://elearning.ufl.edu> Become very familiar with this website as assignments, assessments, etc. will be posted here.

Referenced Texts:

Beard, J.B. 2001. Turfgrass Management for Golf Courses, 2nd Ed. John Wiley & Sons, Inc.

Christians, N.E. 2007. Fundamentals of Turfgrass Management, 3rd Ed. John Wiley & Sons, Inc.

McCarty, L., G. Miller, C. Waltz, and T. Hale. 2005. Designing, Constructing, and Maintaining Bermudagrass Sports Fields. IFAS pub. SP-361.

McIntyre, K. and B. Jakobsen. 2000. Practical Drainage for Golf, Sportsturf, and Horticulture. John Wiley & Sons, Inc.

Pira, E. 1997. A Guide to Golf Course Irrigation System Design and Drainage. John Wiley & Sons, Inc.

Puhalla, J., J. Krans, and M. Goatley. 1999. Sports Fields: A Manual for Design, Construction, and Maintenance. John Wiley & Sons, Inc.

Puhalla, J., J. Krans, and M. Goatley. 2003. Baseball and Softball Fields: Design, Construction, Renovation, and Maintenance. John Wiley & Sons, Inc.

Unruh, J. B. and M.L. Elliott (eds.). 1999. Best Management Practices for Florida Golf Courses, 2nd Ed. IFAS pub. SP-141.

Instructor:

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Office Hours:

By appointment, before and after class, or whenever you can find me. Voice mail and e-mail messages work well – I will return your messages.

Attendance:

Students are expected to attend all scheduled classes because attendance is deemed necessary for proper instruction. The instructors assume no responsibility for providing notes or handouts issued during the student's unexcused absence. No make-up examinations will be given except in the case of extenuating circumstances. Students are required to attend the *Weekend Learning Experience* in Gainesville, FL.

Grading:

Point Distribution:

Quizzes	50%
Participation (online & in class)	10%
Weekend Learning Experience	15%
Soil Analysis Report	15%
Journal Review	10%

Scale:

A =	94 – 100%
A- =	90 – 93%
B+ =	86 – 89%
B =	83 – 85%
B- =	80 – 82%
C+ =	76 – 79%
C =	73 – 75%
C- =	70 – 72%
D+ =	66 – 69%
D =	63 – 65%
D- =	60 – 62%
F =	≤ 59%

Examinations: There will be no exams during this course. In lieu of exams you will be required to complete weekly quizzes that will be made available through Canvas.

Quiz Format: Test format will be a mixture of essay questions, short answer, and questions requiring mathematical calculations. Retention of specific material and ability to apply material in realistic situations will be required.

Resume / Cover Letter: Dr. Kruse is willing to evaluate and critique your resume prior to the Golf Industry Show or SportsTurf Managers Conference if you so desire. Please allow two to three weeks advance notice.

Soil Analysis Report: Students will be expected to view a brief video that illustrates how particle size analysis is conducted. Students will then be provided soil physical properties of a unique soil sample and they will provide a comprehensive written report describing the suitability of their sample as a media for growing turf. Similarly, students will receive a complete nutrient analysis of their soils sample after which they will provide a detailed nutrient management plan for bermudagrass grown as a golf course fairway or athletic field.

Academic Honesty, Software Use, UF Counseling Services, Services for Students with Disabilities

In 1995 the UF student body enacted a new honor code and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the university, they commit themselves to the standard drafted and enacted by students.

In adopting this honor code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the university community. Students who enroll at the university commit to holding themselves and their peers to the high standard of honor required by the honor code. Any individual who becomes aware of a violation of the honor code is bound by honor to take corrective action. The quality of a University of Florida education is dependent upon community acceptance and enforcement of the honor code.

The Honor Code: We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

On all work submitted for credit by students at the university, the following pledge is either required or implied: **“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”**

The university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. In addition, every dishonest act in the academic environment affects other students adversely, from the skewing of the grading curve to giving unfair advantage for honors or for professional or graduate school admission. Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior.

Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean or Student Honor Court.

It is assumed all work will be completed independently unless the assignment is defined as a group project, in writing by the instructor.

This policy will be vigorously upheld at all times in this course.

Software Use:

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. Both the Counseling Center and Student Mental Health Services provide confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance. The Counseling Center is located at 301 Peabody Hall (next to Criser Hall). Student Mental Health Services is located on the second floor of the Student Health Care Center in the Infirmary.

- *University Counseling Center*, 301 Peabody Hall, 392-1575, www.counsel.ufl.edu
- *Career Resource Center*, CR-100 JWRU, 392-1602, www.crc.ufl.edu/
- *Student Mental Health Services*, Rm. 245 Student Health Care Center, 392-1171, www.shcc.ufl.edu/smhs/

Alcohol and Substance Abuse Program (ASAP)

Center for Sexual Assault / Abuse Recovery & Education (CARE)

Eating Disorders Program

Employee Assistance Program

Suicide Prevention Program

Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues.

0001 Reid Hall, 392-8565, www.dso.ufl.edu/drc/

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- Jan. 11 Overview of the Golf Course and Its Management & Operations
- Jan. 18 **NO CLASS - MARTIN LUTHER KING DAY**
- Jan. 25 Overview of Sports Field Management
- Feb. 1 Drainage: *Design, Construction, and Materials*
- Feb. 8 Golf & Sports Turf Irrigation Management (**Golf Industry Show – San Diego, CA**)
- Feb. 15 Economics of Golf and Sports Turf Management
- Feb. 22 Putting Green Construction: *Past, Present, and Future*
- Feb. 29 **NO CLASS - SPRING BREAK**
- Mar. 7 Athletic Field Marking: *Field Layout, Painting Logos and Stencils*
- Mar. 14 Management Practices: *Nutrition, Mowing, Aeration, Spiking, Slicing, Vertical Mowing, Grooming Topdressing, Rolling*
- Mar. 21 Resource Management Centers
- Mar. 28 Managing Wear and Compaction during Athletic Events, Concerts, and Other Activities
- Apr. 04 Renovation: *Approaches, Considerations, and Goals*
- Apr. 09 Golf and Sports Turf Management Weekend - Mandatory!**
- Apr. 11 Artificial Turfgrass Systems
- Apr. 18 Special Practices: *Putting Speeds, Bunker Maintenance, Divot Repair, Skinned Areas*

NO FINAL EXAM