INSTRUCTIONAL PACKAGE

TUF 171

Introduction To Turf Management

Effective Term
Fall 2023/Spring 2024/Summer 2024

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: <u>Fall 2023/Spring 2024/Summer 2024</u>

COURSE PREFIX: TUF 171   COURSE TITLE: Introduction to Turf Management

CONTACT HOURS: 2.0   CREDIT HOURS: 3.0

RATIONALE FOR THE COURSE:

Provides the student a basic understanding of turfgrass management practices so that they may effectively communicate with the golf course superintendent, athletic field managers, club members, owners, and employees under their supervision. This knowledge is also essential for making managerial decisions at a golf facility or athletic facility. This course is designed to meet these needs.

COURSE DESCRIPTION:

This course is designed to introduce principles of turfgrass management and golf course operations to non-golf course management majors. Topics include turfgrass selection, mowing, commonly used golf course terminology, supplementary cultural practices, different types of golf courses and the golf course management principles. The history and function of golf related organizations are also discussed in the course.

PREREQUISITES/CO-REQUISITES:

None

***Online/Hybrid** courses require students to complete the [DLi Orientation Video](#) prior to enrolling in an online course.

REQUIRED MATERIALS:

Please visit the [BOOKSTORE](#) online site for most current textbook information.

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

ADDITIONAL REQUIREMENTS:

None

2023-2024

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's learning management system (LMS) used for course materials.
Access to myHGTC portal for student self-services.
College email access – this is the college's primary official form of communication.

STUDENT IDENTIFICATION VERIFICATION:

Students enrolled in online courses will be required to participate in a minimum of one (1) proctored assignment and/or one (1) virtual event to support student identification verification. Please refer to your Instructor Information Sheet for information regarding this requirement.

CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate. No vaping in class.

NETIQUETTE: is the term commonly used to refer to conventions adopted by Internet users on the web, mailing lists, public forums, and in live chat focused on online communications etiquette. For more information regarding Netiquette expectations for distance learning courses, please visit Online Netiquette.

Part II: Student Learning Outcomes

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

UNIT I **Introduction to the Turf Industry**

The student should be able to describe the functions of turfgrasses and the advantages of utilizing turfgrasses in the landscape. Students will be a list the various types of turf-related careers and occupations and the economic importance of the turfgrass industry. Students will develop the ability to effectively communicate with, a golf course superintendent or field manager. Professional organizations and associations in the turfgrass industry will be highlighted.

UNIT II **Turfgrass Morphology and Selection**

The student will be able to display knowledge of the following concepts.
Vegetative characteristics of the turfgrass plant. Classifying the growth habit of a turfgrass plant as stoloniferous, rhizomatous, or bunch-type. Reproductive characteristics of the turfgrass plant. Define and describe the process of photosynthesis and designate the regions of climatic adaptation for turfgrasses used global. Additionally, students will name the advantages and disadvantages of the cool-season and warm season grass species used for turf, including those used on golf courses or athletic fields. Students will develop and understanding for the methods of establishment (propagation) for turfgrasses.

Unit III **Pest Management**
Students will have a working knowledge of injury to turf caused by various types of insects, plant diseases and nematodes. Additionally, students will name detriments to turf caused by weeds. Define insecticide, fungicide, nematicides, and herbicides while integrating the components of an (IPM) integrated pest management program.

Unit IV**. Primary Cultural Practices**
Students will be able to identify the types of mowers used on turf and describe the importance of proper mowing height and frequency. Students will gain experience in basic soils science by being able to define soil pH and liming. Name the macronutrients and micronutrients required for plant growth. Define analysis as it relates to fertilizers. Explain the differences between water-soluble and water-insoluble sources of nitrogen fertilizers, and name examples of each type and perform basic fertilizer calculations. Students will also describe types of irrigation systems used on turf and explain why water management is a necessity for turfgrass management.

Unit V. **Supplementary Cultural Practices**
Students will describe the detrimental effects of compaction on growth of turf. Define thatch and explain its undesirable effects on turf quality. Identify equipment used for cultural practices Define and explain the reasons for employing various methods of cultivation, including coring, slicing, spiking, and vertical mowing. Explain why rolling, topdressing, and matting are used in turf management. Define overseeding and name the species of turfgrasses used for this practice. Explain why wetting agents, turf colorants, and plant growth regulators are used in turf management.

Module #1
Materials Covered: Unit 1 Turfgrass Morphology and Selection"
*Assessment(s): Turfgrass Establishment activity.
                    Project

Learning Outcomes:
1.   Describe how turfgrass is selected and established based on
          economic and environmental factors.
2.   Explain the advantages and disadvantages of turfgrass
          selection based on usage.
3.   Explain differences in water, fertilizer, and pesticide inputs
          based on turfgrass selection.

Module #2
Materials Covered: Unit 5 Turfgrass Equipment and Selection"
*Assessment(s): Turfgrass Equipment activity.

Learning Outcomes:

2023-2024

1. Describe the different types of cuts of mowing equipment
2. Explain how and why different turfgrasses need to different mowing heights.
3. Explain differences in water, fertilizer and pesticide inputs
based on turfgrass mowing height selection.

REQUIRED COURSE MEASURES/ARTIFACTS

- Tests and Quizzes
- Assignments
- Projects
- Group projects
- Presentations

Students – please refer to the Instructor's Course Information sheet for specific information on assessments and due dates.

Part III: Grading and Assessment

EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS*:

Students' performance will be assessed and the weight associated with the various measures/artifacts are listed below.

EVALUATION*

Tests/Quizzes	30%
Assignments/Projects	30%
Class Participation	30%
Final Exam	10%
	100%

Students, for the specific number and type of evaluations, please refer to the Instructor's Course Information Sheet.

GRADING SYSTEM:

State the College's or departmental grading system as delineated in the Catalog. Please note the College adheres to a 10 point grading scale A = 100 – 90, B = 89- 80, C = 79 – 70, D = 69 – 60, F = 59 and below. You must have your Dean's approval if changes in the scale are made.

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are

2023-2024

shorter for accelerated format courses. Please refer to the [academic calendar](#) for deadlines for add/drop. You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of 80 percent (80%) of their classes in order to receive credit for any course. Due to the varied nature of courses taught at the college, some faculty may require up to 90 percent (90%) attendance. Pursuant to 34 Code of Federal Regulations 228.22 - Return to Title IV Funds, once a student has missed over 20% of the course or has missed two (2) consecutive weeks, the faculty is obligated to withdraw the student and a student may not be permitted to reenroll. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

For online and hybrid courses, check your Instructor's Course Information Sheet for any required on-site meeting times. Please note, instructors may require tests to be taken at approved testing sites, and if you use a testing center other than those provided by HGTC, the center may charge a fee for its services.

Part V: Student Resources

THE STUDENT SUCCESS AND TUTORING CENTER (SSTC):

The SSTC offers to all students the following **<u>free</u>** resources:
1. **Academic tutors** for most subject areas, **Writing Center support**, and **college success skills**.
2. Online **tutoring** and academic support resources.
3. Professional and interpersonal communication **coaching** in the EPIC Labs.

Visit the [Student Success & Tutoring Center](#) website for more information. To schedule tutoring, contact the SSTC at sstc@hgtc.edu or self-schedule in the Penji iOS/Android app or at www.penjiapp.com. Email sstc@hgtc.edu or call SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455, or go to the [Online Resource Center](#) to access on-demand resources.

STUDENT INFORMATION CENTER: TECH Central

TECH Central offers to all students the following <u>free</u> resources:

1. **Getting around HGTC**: General information and guidance for enrollment, financial aid, registration, and payment plan support!
2. Use the [Online Resource Center (ORC)](#) including Office 365 support, password resets, and username information.
3. **In-person workshops, online tutorials and more services** are available in Desire2Learn, Student Portal, Degree Works, and Office 365.
4. **Chat with our staff on TECH Talk**, our live chat service. TECH Talk can be accessed on the student portal and on TECH Central's website, or by texting questions to (843) 375-8552.

Visit the [Tech Central](#) website for more information. Live Chat and Center locations are posted on the website. Or please call (843) 349 – TECH (8324), Option #1.

HGTC LIBRARY:

Each campus location has a library where HGTC students, faculty, and staff may check out materials with their HGTC ID. All three HGTC campus libraries are equipped with computers to support academic research and related school work; printing is available as well. Visit the [Library](#) website for more information or call (843) 349-5268.

STUDENT TESTING:

Testing in an **online/hybrid** course and in **make-up exam** situations may be accomplished in a variety of ways:

- Test administered within D2L
- Test administered in writing on paper
- Test administered through Publisher Platforms (which may have a fee associated with the usage)

Furthermore, tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through our online proctoring service. To find out more about proctoring services, please visit the [Online Testing](#) section of the HGTC's Testing Center webpage.

The **Instructor Information Sheet** will have more details on test requirements for your course.

2023-2024

DISABILITY SERVICES:

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to HGTC's [Accessibility and Disability Service webpage](#). The Accessibility and Disability staff will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

STATEMENT OF EQUAL OPPORTUNITY/NON-DISCRIMINATION STATEMENT:

Horry-Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, sex, national or ethnic origin, age, religion, disability, marital or family status, veteran status, political ideas, sexual orientation, gender identity, or pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation in educational programs and/or activities.

TITLE IX REQUIREMENTS:

All students (as well as other persons) at Horry-Georgetown Technical College are protected by Title IX—regardless of their sex, sexual orientation, gender identity, part- or full-time status, disability, race, or national origin—in all aspects of educational programs and activities. Any student, or other member of the college community, who believes that he/she is or has been a victim of sexual harassment or sexual violence may file a report with the college's Chief Student Services Officer, campus law enforcement, or with the college's Title IX Coordinator or designee.

> *Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

INQUIRIES REGARDING THE NON-DISCRIMINATION/TITLE IX POLICIES:

Student and prospective student inquiries concerning Section 504, Title II, Title VII, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs.

Dr. Melissa Batten, VP Student Affairs
Title IX, Section 504, and Title II Coordinator
Building 1100, Room 107A, Conway Campus
PO Box 261966, Conway, SC 29528-6066
843-349-5228
Melissa.Batten@hgtc.edu

Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources.

Jacquelyne Snyder, VP Human Resources
Affirmative Action/Equal Opportunity Officer and Title IX Coordinator
Building 200, Room 205B, Conway Campus
PO Box 261966, Conway, SC 29528-6066
843-349-5212
Jacquelyne.Snyder@hgtc.edu