INSTRUCTIONAL PACKAGE

TUF 172
Turf Management I

Effective Term

AY 2020/2021

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: Spring 2021

COURSE PREFIX: TUF 172   COURSE TITLE: Turf Management I

CONTACT HOURS: 5.0   CREDIT HOURS: 3.0

RATIONALE FOR THE COURSE:

A basic understanding of turfgrass science is essential for management and maintenance of turfgrasses utilized for golf courses, athletic fields, lawns, and other landscaped areas.

COURSE DESCRIPTION:

This course covers the principles and practices involved with turfgrass management. Topics include establishment, maintenance, and management of turfgrass areas.

PREREQUISITES/CO-REQUISITES:

None

***Online/Hybrid** courses require students to complete the DLi Online Student Orientation prior to completing an online course. The DLi Online Student Orientation can be found in WaveNet, under the My Student tab.

REQUIRED MATERIALS:

Best Golf Course Management Practices, 4th^d edition, L.B McCarty

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.

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's student portal for course materials.
WaveNet and D2L email access.

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.

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

1. Describe the functions of turfgrasses and the advantages of utilizing turfgrasses in the landscape.
2. List the various types of turf-related careers and occupations.
3. Describe the economic importance of the turfgrass industry.
4. Describe the responsibilities of a golf course superintendent.

Unit II. Turfgrass Morphology and Selection

1. Describe the vegetative characteristics of the turfgrass plant.
2. Classify the growth habit of a turfgrass plant as stoloniferous, rhizomatous, or bunch-type.
3. Describe the reproductive characteristics of the turfgrass plant.
4. Designate the regions of climatic adaptation for turfgrasses used in the United States.
5. Name the advantages and disadvantages of the warm-season grass species used for turf.
6. Name the advantages and disadvantages of the cool-season grass species used for turf.
7. Identify warm and cool-season turfgrasses by common and scientific names.
8. Describe the methods of establishment (propagation) for turfgrasses.
9. Describe the types of information found on the seed label.
10. Identify turfgrass seed by common and scientific name.
11. Calculate percentage of Pure Live Seed.

Unit III. Primary Cultural Practices

1. Describe the effects of mowing on the growth and physiology of turfgrass plants.
2. Describe the importance of proper mowing height and frequency.
3. Name the macronutrients and micronutrients required for plant growth.

4. Explain the differences between water-soluble and water-insoluble sources of nitrogen fertilizers, and name examples of each type.
5. Perform fertilizer calculations.
6. Name the roles and functions of water in turfgrass plants.
7. Define syringing, and explain why it is often a necessary practice on golf course turf.

Unit IV. Supplementary Cultural Practices

1. Describe the detrimental effects of compaction on growth of turf.
2. Define thatch, and explain its undesirable effects on turf quality.
3. Define and explain the reasons for employing various methods of cultivation, including coring, slicing, spiking, and vertical mowing.
4. Explain why rolling, topdressing, and matting are used in turf management.
5. Explain why wetting agents, turf colorants, and plant growth regulators are used in turf management.
6. Identify equipment used for cultural practices.
7. Explain the importance of communications between the golf course superintendent, the pro shop, and the members/golfers when the above-mentioned practices are scheduled on the golf course.

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Module #1
Materials Covered: Unit 2 **Morphology and Selection**
*Assessment(s): Lab activity.

Learning Outcomes:
1.   Describe different methods to establish turfgrass.
2.   Explain difference between C3 and C4 grasses
3.   Understand the morphology and growth habits of turfgrasses

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Module #2
Materials Covered: Unit 3 Mowing
*Assessment(s):   *Lab activity*

Learning Outcomes:
1.   Understand mower selection and operation
2.   Develop a sound management plan and budget for mowing.
3.   Explain and identify the major types of mowers

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*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	25%
Quiz	25%
Papers/Plans	25%
Lab	25%
	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 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 **free** 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 appointments using TutorTrac, visit the Student Services tab in WaveNet. 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 **free** resources:
1. **Getting around HGTC**: General information and guidance for enrollment!
2. Use the [Online Resource Center (ORC)](#) including scheduled technology training, Office 365 support, password resets, and username information.
3. **Drop-in technology support or scheduled training** in the Center or in class.
4. **In-person workshops, online tutorials and more services** are available.
5. **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).

STUDENT TESTING:

Testing in an **online/hybrid** course may be accomplished in a variety of ways:
- Test administered within D2L
- Test administered in writing on paper

- Test administered through Publisher Platforms

Further more 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 RPNow, 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.

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, 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 Coordinator*

April 2020

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
EEO and Title IX Coordinator
Building 200, Room 212A, Conway Campus
PO Box 261966, Conway, SC 29528-6066
843-349-5212
Jacquelyne.Snyder@hgtc.edu