



Course Number and Title: AGS 231 Turfgrass Management Work Experience

Campus Location:

Georgetown

Effective Date:

2018-52

Prerequisite:

AGS 101, AGS 104, AGS 105, AGS 123, AGS 136

Co-Requisites:

None

Course Credits and Hours:

3.00 credits

0.00 lecture hours/week

10.00 lab hours/week

Course Description:

This course provides an opportunity for students to apply and combine classroom and laboratory knowledge to actual work experiences that focus on a supervised work experience for students to gain knowledge and experience within the turf industry.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

None

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Perform the landscape tasks for the current season as related to turfgrass management. (CCC 1, 2, 3, 5, 6; PGC 1, 2, 3, 4, 5)
2. Apply construction and installation techniques as related to the turf industry. (CCC 1, 2, 3, 5, 6; PGC 1, 3, 4, 5)
3. Employ irrigation systems used in the turfgrass industry. (CCC 1, 2, 3, 5, 6; PGC 1, 2, 5)
4. Demonstrate pest control and chemical applications involved in the turf industry. (CCC 1, 2, 4, 5, 6; PGC 1, 2, 5)
5. Demonstrate the proper care and use of mowing equipment. (CCC 1, 2, 5; PGC 1, 2, 5)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Perform the landscape tasks for the current season as related to turfgrass management.
 1. Practice common maintenance tasks involved with turf management.
 2. Manage pests and diseases found in the turf industry.
 3. Apply methods for renovating a declining stand of turfgrass.
 4. Demonstrate care and maintenance of establishing turfgrass.
 5. Demonstrate safe equipment operation on a turfgrass facility.
2. Apply construction and installation techniques as related to the turf industry.
 1. Use a landscape plan for turfgrass installation.
 2. Practice skills necessary to condition soil, and prepare beds for plant materials.
 3. Renovate a declining stand of turfgrass.
3. Employ irrigation systems used in the turfgrass industry.
 1. Install piping and sprinkler heads on a turfgrass facility.
 2. Practice techniques for placing sprinkler heads on greens.
 3. Operate control valves; gate, ball, check, spring loaded, and float varieties.
4. Demonstrate pest control and chemical applications involved in the turf industry.
 1. Review chemical material safety data sheet (MSDS) requirements of applied pesticides.
 2. Identify pests and diseases encountered on turfgrass facility.
 3. Participate in the application of pesticides on a turfgrass facility.
5. Demonstrate the proper care and use of mowing equipment.
 1. Select proper mowing heights used on a turfgrass facility.
 2. Apply maintenance needs of turfgrass mowing equipment.
 3. Demonstrate the calibration, maintenance, and operation of various types of sprayers and spreaders.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Final Course Grade:

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Summative: Campus Work Experience Performance Evaluation	25%
Summative: Off-Site Work Experience Evaluation	25%
Summative: Campus Work Experience Professionalism Evaluation	10%
Summative: Work Experience Portfolio	25%
Formative Assessments: Weekly Timesheets and Job Summary Logs, Assignments and Learning Activities	15%
TOTAL	100%

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Apply knowledge of landscape plants and grasses to cultivate and maintain golf course landscapes.
2. Implement preventive maintenance programs for greens, fairways, and equipment.
3. Operate irrigation systems for maximum efficiency.
4. Prepare soils for laying sod and seeding greens, tees, and fairways.
5. Operate turf equipment for maximum field efficiency.
6. Apply business principles and strategies to the turfgrass industry.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.