



Course Number and Title: AGS 244 Landscape Plans and Construction

Campus Location:

Georgetown

Effective Date:

2020-51

Prerequisite:

AGS 101, AGS 105, AGS 203

Co-Requisites:

None

Course Credits and Hours:

3.00 credits

2.00 lecture hours/week

2.00 lab hours/week

Course Description:

This course introduces landscape planning, including plant materials and elements of design using hand drawing techniques, as well as computerized programs of design. Topics include interpreting landscape designs, identifying landscape plants, and planting/maintaining trees and shrubs. Landscape construction is emphasized in the areas of grading and drainage, paver installation, and other hands-on applications.

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:

Safety glasses or goggles meeting OSHA Z87 or OSHA Z87.1 specifications. Students should wear appropriate safe clothing including hard top shoes for the lab exercises.

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Identify design principles as they apply to landscape planning. (CCC 2, 5, 6; PGC LOH 6; TMT 6)
2. Describe the information and graphic symbols needed to produce an architectural site plan. (CCC 1, 5, 6; PGC LOH 6; TMT 6)
3. Create and implement a finished landscape plan. (CCC 1, 2, 3, 4, 5, 6; PGC LOH 6; TMT 6)
4. Identify first aid and safety procedures used in landscape construction and maintenance. (CCC 1, 2, 3, 4, 5; PGC LOH 1; TMT 4)
5. Demonstrate proper use of equipment and safety techniques. (CCC 1, 2, 3, 4; PGC LOH 1; TMT 4, 6)
6. Describe proper work orders, billing, and their applications. (CCC 1, 2, 4, 5, 6; PGC LOH 4; TMT 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. Identify design principles as they apply to landscape planning.
 1. Discuss and define the following principles of composition: scale, balance, rhythm, emphasis, and simplicity.
 2. Discuss design analysis.
 3. Describe design graphics reviewed in class.
2. Describe the information and graphic symbols needed to produce an architectural site plan.
 1. Prepare a site plan for a residential and medium commercial projects.
 2. Prepare a site analysis and area layout plan.
3. Create and implement a finished landscape plan.
 1. Create a public or private area landscape plan.
 2. Create a plan with emphasis on native plants, perennials, and annuals.
4. Identify first aid and safety procedures used in landscape construction and maintenance.
 1. Explain preventive measures that can reduce the chances of accidents or injuries on the job.
 2. Explain at least three ways to be prepared in the event of an emergency situation.
 3. Explain actions to take in possible emergency situations.
5. Demonstrate proper use of equipment and safety techniques.
 1. Explain items to check before use of various equipment.
 2. Practice safe operate of equipment commonly used in the landscape industry.
6. Describe proper work orders, billing, and their applications.
 1. Identify items needed to prepare a work order form.
 2. Properly prepare a bill for a potential client.

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
Exams (2-3) (summative) (equally weighted)	20%
Projects/Presentations (summative) (equally weighted)	20%
Formative Assessments (Assignments/Activities/Quizzes)	30%
Labs (summative) (10-12) (equally weighted)	30%
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):
AGSAASLOH

1. Safely operate landscape equipment.
2. Demonstrate basic greenhouse management functions to include environmental controls, scheduling, production, pest control, nutrient management, and marketing of floriculture crops.
3. Demonstrate effective customer service skills for horticulture business success.
4. Apply business principles and strategies to the landscape and ornamental horticulture industries.
5. Explain the importance of soil and water management to the landscape and ornamental horticulture industries.
6. Design and install a finished landscape plan.

AGSAASTMT

1. Select preventive maintenance programs for greens, fairways, and equipment.
2. Apply basic installation techniques for irrigation systems.
3. Explain the importance of soil and water management to the turfgrass management industry.
4. Safely operate turf equipment.
5. Apply business principles and strategies to the turfgrass industry.
6. Cultivate and maintain golf course landscapes.

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.