

## Course Number and Title: AGS 203 Plant Identification and Cultivation

**Campus Location:**

Georgetown

**Effective Date:**

2021-51

**Prerequisite:**

AGS 101, AGS 105

**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 principles of identification, cultivation, and maintenance of woody and herbaceous landscape plant materials.

**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. Compare major landscape plant materials and their uses (trees, shrubs, climbers, perennials, annuals, biennials bulbous plants, ferns, and aquatic plants). (CCC 1, 2, 5, 6; PGC 4, 5, 6)
2. Demonstrate proper methods of cultivation of herbaceous and woody plant materials. (CCC 1, 2, 4, 5, 6; PGC 1, 2, 4, 5)
3. Propose uses of various landscape plant materials. (CCC 1, 2, 3, 4, 5, 6; PGC 4, 5, 6)
4. Use design principles as they apply to landscape planning. (CCC 1, 2, 3, 4, 5, 6; PGC 6)
5. Design a finished landscape plan. (CCC 1, 2, 3, 5, 6; PGC 6)

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. Compare major landscape plant materials and their uses (trees, shrubs, climbers, perennials, annuals, biennials bulbous plants, ferns, and aquatic plants).
  1. Interpret characteristics of various landscape plant materials.
  2. Examine various plants.
2. Demonstrate proper methods of cultivation of herbaceous and woody plant materials.
  1. Practice propagation techniques of herbaceous and woody landscape plant materials.
  2. Cultivate perennials, annuals, and biennials.
3. Propose uses of various landscape plant materials.
  1. Examine plant hardiness and exposure.
  2. Interpret the gardening environment for various plant materials.
  3. Differentiate the ornamental plant groups (trees, shrubs, climbers, perennials, annuals, biennials bulbous plants, ferns, and aquatic plants).
4. Use design principles as they apply to landscape planning.
  1. Review design principles of composition: scale, balance, rhythm, emphasis, and simplicity.
  2. Create design graphics.
5. Design a finished landscape plan.
  1. Create a public area landscape plan.
  2. Construct a private area landscape plan.
  3. Diagram a plan with emphasis on native plants.

**Evaluation Criteria/Policies:**

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	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 (3-4) (summative) (equally weighted)	20%
Projects/Presentation (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):****AGSAASTOH**

1. Demonstrate professional behaviors that satisfy workplace expectations and include adherence to safety and environmental concerns related to the field.
2. Demonstrate basic management functions to include environmental controls, scheduling, production, pest control, and nutrient management of turf and ornamental plants.
3. Cultivate and maintain golf course landscapes.
4. Apply business principles and strategies to the turf and ornamental horticulture industries.
5. Explain the importance of environmental factors such as soil and water management to the turf and ornamental horticulture industries.
6. Apply basic installation and maintenance techniques for irrigation systems.
7. Design and install a finished landscape plan, using native plant materials when possible.
8. Examine current agricultural issues and topics.

**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.