

Environmental Horticulture & Sustainable Agribusiness

Montgomery College - Germantown Campus

-Fall 2024-

HORT 100 Intro. to Plant Sciences

4 semester hours

An overview of the science and art of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by environmental factors and cultural practices are covered.

- ◆ Fulfills —Natural Sciences Distribution with Lab (NSLD) requirement at Montgomery College
- ◆ Satisfies a Gen Ed requirement at the University of Maryland College Park
 - Monday 9:00 - 10:50 a.m. & Wed. 9:00 - 11:50 a.m. CRN 22912, CRN 22913 Dis, CRN 22914 Lab - Face to face
 - Monday 6:00 - 7:50 p.m. & Wed. 6:00 - 8:50 p.m. CRN 23612, CRN 23613 Dis, CRN 23614 Lab - Face to face
 - Friday 9:00 a.m. - 1:40 p.m. CRN 22909, CRN 22910 Dis, CRN 22911 Lab - On-line
 - Saturday 9:00 a.m. - 1:50 p.m. (*Takoma Park campus*) CRN 22827, CRN 22828 Dis, CRN 22829 Lab - Face to face

HORT 105 Intro. to Sustainable Landscaping

2 semester hours

Gain a broad overview of trends within of the Green Industry, including techniques and approaches for maintaining and improving soil health, composting, and managing stormwater, as well as provide a basic understanding of growth and nutrition to ensure environmental sustainability. Students will learn about national, state and local guidelines promoting sustainability in landscape design and management.

Tuesday, 7:30 - 9:10 p.m. CRN 22915 - On-line

HORT 161 Landscape Graphics

3 semester hours

Develop the basic skills necessary to prepare planting designs and construction drawings for client presentations, including colored site plans and 3-dimensional drawings.

Saturday, 9:00 a.m. - 12:30 p.m. CRN 22916, CRN 22917 Lab - Hybrid
Selected classes meet on-line.

HORT 215 Integrated Pest Management and Entomology *, ** 3 semester hours

Hone your pest management skills with Stanton Gill. Explore the identification of key pests, their life cycles and control methods, with emphasis on integrated pest management strategies.

Thursday, 6:00 - 9:30 p.m. CRN 22918, CRN 22919 Lab - On-line
Lecture and lab meet on-line, portion of lab instruction will be offered remotely.

HORT 222 Sustainable Turfgrass Management*, **

3 semester hours

Discover the proper way to manage a healthy turfgrass using BMP's that maximize turfgrass health, while minimizing impact to environmental. Organic lawn care and alternative groundcovers will be discussed. This course will help prepare the student to become certified by the State as required by Maryland's newly enacted Lawn Fertilizer Law. Lab assignments emphasize weed, turf, and insect species identification.

Monday, 6:00 - 9:30 p.m. CRN 23615, CRN 23616 Lab - Hybrid format
Selected classes meet on-line.

HORT 253 Plant Materials I*

3 semester hours

Learn how to identify and properly use trees, shrubs, vines, and groundcovers in both residential and commercial landscape situations. Plant characteristics, such as seasonal interest and habit, are stressed so that appropriate plant selections can be made for any landscape situation. *Optional Saturday field trips are as follows: 09/24/24 to National Cathedral in Washington, D.C., 10/14/24 to Smithsonian Gardens in Washington, D.C., and 11/04/24 to Hillwood Gardens in Washington, D.C.*

Monday's section meets, 1:00 - 4:30 p.m. CRN 23225, CRN 23229 Lab - On-line
Wednesday's section meets, 6:00 - 9:30 p.m. CRN 22920, CRN 22921 Lab - On-line
Lecture and lab meet on-line, portion of lab instruction will be offered remotely.

HORT 280 Landscape Technology Internship 2 semester hours

With guidance from an instructor, design an individual industry work experience.
CRN 22922

*HORT 215, HORT 253 includes optional Saturday Field trip(s).

**HORT 215 and HORT 222 and other select courses in the Program, have been approved by the MD Department of Agriculture to prepare Greens Industry professionals for pesticide application certification in Category III.

For further information about the program or courses, contact

Stephen Dubik (240) 567-7803 steve.dubik@montgomerycollege.edu

► [In-county tuition rates available for Business/Industry employees](#)

► [Tuition waivers available for senior citizens](#) - starts August 28

► Web registration: www.montgomerycollege.edu



Classes start September 3 2024

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