



Environmental Horticulture & Sustainable Agribusiness Program

Montgomery College - Germantown Campus

Spring Semester 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 6:00 - 7:50 p.m. & Wed. 6:00 - 8:50 p.m.

Friday 9:00 a.m. - 1:40 p.m.

Saturday 9:00 a.m. - 1:50 p.m.

CRN 34341, CRN 34342 Dis, CRN 34343 Lab, **Face-to-face**

CRN 33295, CRN 33296 Dis, CRN 33297 Lab, **All on-line**

CRN 33289, CRN 33290 Dis, CRN 33291 Lab, **Face-to-face @ Takoma Park**

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.

Monday, 7:30 - 9:10 p.m.

CRN 32802, **On-line**

HORT 145 Creating Gardens in a Digital Age

2 semester hours

Introduces students to historical garden designs as well current ecologically influenced trends, such as sustainable landscaping and native landscaping designs through digital media.

Saturday, 9:00 a.m. - 11:40 a.m.

CRN 33803, CRN 33804 Lab, **Hybrid format**

HORT 150 Introduction to Arboriculture

1 semester hour

This hands-on course (all lab) will focus on how to ascend and descend safely in large trees. Each class will have one or more arborists from the MNCCPC serving as teaching assistants.

LATE START, Meets 03/11 -03/15/24

9:00 a.m. to 2:40 p.m.

CRN 33793, **Face-to-face**

Class meets at Agricultural History Farm Park at 18410 Muncaster Road, Derwood, MD, 20855

HORT 254 Plant Materials II*

3 semester hours

Learn how to identify and properly use evergreen and deciduous trees, shrubs, vines, and groundcovers in a broad range of landscape situations. Plant characteristics, such as seasonal interest and habit, are stressed so that appropriate plant selections can be made for any landscape situation.

Monday 1:00 - 4:30 p.m.

Wednesday 6:00 - 9:30 p.m.

CRN 32794, CRN 32795 Lab, **Hybrid format**

CRN 32805, CRN 32806 Lab, **Hybrid format**

HORT 258 Sustainable Landscape Management*, **

3 semester hours

Hone landscape management skills by an in-depth study of proper planting and pruning techniques. Learn how to properly evaluate soil sites and conditions. Select appropriate amendments and develop fertilization programs.

Tuesday, 6:00 - 9:30 p.m.

CRN 32807, CRN 32808 Lab, **Hybrid format**

HORT 271 Plant Propagation and Production*

3 semester hours

Discover the basic principles and skills used to propagate and produce a wide range of ornamental and edible plants, including natives, annuals, perennials and fruits. Lab will focus on seed propagation, cuttings, grafting, budding, division, layering, and tissue culture.

Thursday, 6:00 - 9:30 p.m.

CRN 32809, CRN 32810 Lab, **Face-to-face**

HORT 280 Landscape Technology Internship

2 semester hours

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

Contact HORT coordinator

CRN 32811

*HORT 254, HORT 258, HORT 271 includes optional Saturday and weekday Field trips.

**HORT 258, HORT 271 and other select courses in the Program, have been approved by the MD Dept. 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](#)

► Web registration: www.montgomerycollege.edu

Questions? 240-567-5000 / www.montgomerycollege.edu/futurestudents

Classes start week of January 22



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