

Common Course Outline

HORT 111

Herbaceous Plant Materials

2 Credits

Community College of Baltimore County

Description

HORT 111 – Herbaceous Plant Materials provides for the study of herbaceous perennials, biennials, annuals, and geophytes that are cultivated in gardens, landscapes, and nurseries. The course emphasizes identification, environmental requirements, aesthetic character and landscape design uses of specific plant materials.

2 Credit: 1 Lecture hour and 2 laboratory hours per week.

Prerequisites: (ESOL 042 and ESOL 044) or ACLT 052.

Overall Course Objectives

Upon completion of this course students will be able to:

1. define common botanical terms associated with plant identification;
2. apply botanical terms in describing parts of herbaceous plant specimens;
3. use a standard pronunciation for botanical names;
4. identify specimens of a least 60 herbaceous species including natives, annuals and invasives by both their botanical and common names;
5. describe the aesthetic value of each species, such as the bloom, fragrance, visual texture, plant form and seasonal color;
6. describe the growth habit, mature size and growth rate for each species;
7. describe cultivars, where available, for common herbaceous garden species;
8. explain the environmental parameters within which the species can be expected to grow satisfactorily, e.g. sunlight, soil, moisture and winter temperatures;
9. identify common insect and disease pests of the species studied;
10. demonstrate a basic knowledge of herbaceous garden planning;
11. demonstrate knowledge of appropriate site preparation and planting; and
12. demonstrate routine maintenance activities for herbaceous garden plantings.

Major Topics

- I. Plant Nomenclature
- II. Plant Morphology
- III. Introduction to Herbaceous Garden Plants
 - A. Definitions
 - B. Herbaceous Garden Planning
 - C. Site Preparation
 - D. Seasonal Maintenance and Management

IV. Species Characteristics

- A. Growth Habit
- B. Rate of Growth
- C. Visual Texture
- D. Flowers
- E. Fruits
- F. Foliage Effects
- G. Winter Effects

V. Environmental Parameters

- A. Soil Moisture
- B. Atmospheric Humidity
- C. Sunlight
- D. Soil
- E. Wind
- F. Heat Tolerance
- G. Winter Hardiness

VI. Insect and Disease Pests

- A. Identification
- B. Principles of Integrated Pest Management
- C. Information Resources

Course Requirements

Grading procedures will be determined by the individual faculty member but will include the following:

Grading/exams

1. A minimum of 9 Lecture Quizzes
2. A minimum of 9 Visual Identification Quiz of Cut Plant Specimens
3. A minimum of 10 Written Labs
4. A minimum of 1 Gardening Journal Project
5. Two (2) Saturday Field Trips
6. Participation

Written Assignments: Students are required to use appropriate academic resources.

Other Course Information

This course is a Sustainable Horticulture Program core course required for the Horticulture A.A.S. Degree.

It is also a required course for the following Sustainable Horticulture Certificates:

1. Greenhouse/Agricultural Production
2. Turf and Landscape Maintenance
3. Landscape Installation, Maintenance and Design