

Common Course Outline
HORT 228
Sustainable Landscape Planning
3 credits

The Community College of Baltimore County

Description

HORT 228 - 3 credits - Sustainable Landscape Planning explores new innovations and ideas in landscape development plans for the Mid-Atlantic Region. Plant alliances, their applications to self-sustaining, stable landscape plant communities, are examined and designed. Native plants, plantings for wildlife, and use of rain gardens are incorporated into residential design.

3 credits; 2 lecture hours and 2 laboratory hours per week.

Prerequisites: HORT 230 or permission of Program Director

Overall Course Objectives

Upon successful completion of this course, the student will be able to:

1. design, draw and label professional looking landscape planting plans;
2. plan and design landscapes for wildlife in residential areas;
3. explain plant associations and their applications in the landscape;
4. design plant groupings according to environmental conditions;
5. prepare landscape designs using native plants;
6. compare native vs. non-native plants based upon cultural demands;
7. develop specifications for residential raingardens;
8. design raingardens;
9. evaluate landscapes as to their sustainable features;
10. identify and explain sustainable landscape features and structures;
11. compare “conventional” landscapes and sustainable landscapes as to costs and benefits; and
12. design landscapes incorporating sustainable practices and technologies.

Major Topics

- I. Advanced small and medium residential designs
- II. Advanced planting designs
- III. Plant associations
- IV. Planting designs based upon environmental conditions
- V. Native plant availability and incorporation into designs
- VI. Planning for residential wildlife habitats
- VII. Planting specifications
- VIII. Rain gardens
- IX. Sustainable landscape practices and technologies

- X. Sustainable and conventional landscapes
- XI. Presentation brochures

Course Requirements

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

1. Graphic Design Projects (minimum of 2)
2. Presentation Brochure
3. Final Design Project
4. Final Exam
5. Participation

Other Course Information

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

It is also a required course for the following certificates:

Turf and Landscape Maintenance
Landscape Design and Installation

Date: 05/25/2011