

Common Course Outline
HORT 134
Landscape Installation, Construction and Maintenance
3 credits

Community College of Baltimore County

Description

HORT 134 - 3 credits - Landscape Installation, Construction and Maintenance covers all aspects of landscape installation and maintenance of plantscapes, including the identification and use of the proper tools, materials, and techniques in the construction of various landscape structures. Two Saturday Class Practicals are required.

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

Prerequisites: ACLT 052, MATH 081

Overall Course Objectives

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

1. explain the importance of proper safety practices related to horticulture enterprises;
2. demonstrate proper safety and operational procedures with hand/power tools, tractors; and landscaping equipment and accessories;
3. demonstrate maintenance of horticulture tools and machinery;
4. develop a basic tool and equipment inventory for a typical horticultural enterprise;
5. read and interpret a landscape plan and /or blueprints;
6. demonstrate the use of an eye level;
7. develop landscape construction cost estimate;
8. demonstrate proper methods of planting and transplanting a tree, shrub, perennial or groundcover;
9. demonstrate the proper pruning techniques for trees, shrubs, perennials and groundcovers;
10. demonstrate the three techniques of staking a tree;
11. calculate mulching area, volume and cost;
12. identify important criteria needed to use the following materials in landscape construction: brick, concrete, concrete block, stone, timber, hardware, and asphalt;
13. identify the most common landscape structures;
14. demonstrate construction techniques used to build the following landscape structures: decks, patios, walkways, planters, fences, retaining walls, and bed edging;
15. discuss various methods of establishing a landscape maintenance schedule; and
16. explain three methods of bidding on landscape maintenance projects.

Major Topics

- I. Job safety
- II. Safe operation, maintenance and storage of hand/power tools and landscaping machinery
- III. Developing and implementing a tool and equipment service/maintenance program
- IV. Reading a landscape plan and blueprints
- V. Estimating material needs and costs for a landscape plan
- VI. Plant selection
- VII. Planting, staking, transplanting and pruning of trees, shrubs, perennials and groundcovers
- VIII. Using mulches
- IX. Hardscape construction materials
- X. Landscape structures and their construction techniques
- XI. Contracts and bidding
- XII. Developing, pricing and implementing maintenance schedules

Course Requirements

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

1. 3 Tests
2. 12- 15 Lab Exercises
3. Two (2) Saturday Class Practicals
4. Participation

Other Course Information

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

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

- Turf and Landscape Maintenance
- Landscape Design and Installation