

Common Course Outline
HORT 130
Residential Forestry
3 credits

Community College of Baltimore County

Description

HORT 130 - 3 credits - Residential Forestry involves the selection, planting, care, and on-going management of trees in established urban and suburban environments. Understanding the benefits and contributions of trees in their planted environments, as well as their specific site requirements are developed. Also covered is the identification of major tree species both native and introduced.

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

Prerequisites: ACLT 052

Overall Course Objectives

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

1. discuss reasons trees make an environment more liveable;
2. identify environmental and cultural practices involved in tree care;
3. discuss stress factors involved in tree planting and their mitigation;
4. develop planting and maintenance plans for trees in residential settings;
5. examine tree-infrastructure conflicts and develop plans to reduce such conflicts;
6. identify components of tree protection during construction activities;
7. discuss the merits of selected tree species for the urban/residential environment;
8. describe a model of urban/suburban forest sustainability;
9. explain the proper procedures involved in tree planting, as well as the merits of available soil amendments; and
10. identify the major insect and disease problems of selected tree species and outline strategies for their management.

Major Topics

- I. The environmental value of trees
- II. Tree care practices
- III. Stress factors in tree planting
- IV. Development of on-going maintenance strategies
- V. Identification and selection of appropriate tree species
- VI. Urban /suburban forest sustainability models

Course Requirements

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

1. Three (3) Exams and Final Exam
2. Site Evaluation of Tree Planting
3. 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 Horticulture certificates:

- Landscape Design and Installation
- Turf and Landscape Maintenance

Date Revised: 05/25/2011