

Common Course Outline
HORT 106
Plant Propagation and Production
3 credits

Community College of Baltimore County

Description

HORT 106 - 3 credits - Plant Propagation and Production introduces the student to the principles and practices used in the propagation of plants. Covers facilities, equipment and supplies used in propagation.

One Saturday Field trip.

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. identify and explain plant propagation terminology;
2. compare and evaluate the differing propagation media;
3. demonstrate techniques used in the propagation of seed crops.
4. demonstrate and apply techniques used in the propagation of cuttings;
5. demonstrate and apply techniques used in budding and grafting;
6. evaluate and choose proper stock material for budding and grafting;
7. demonstrate proper care for vegetative and seed crops;
8. demonstrate techniques used in the propagation of specialized stems and roots;
9. explain the principles of micro propagation; and
10. develop calendar production time frames for various propagation crops.

Major Topics

- I. Facilities, equipment and supplies used in plant propagation
- II. Propagation by seed
- III. Vegetative propagation techniques: cuttings, budding, grafting, layering and propagation of specialized stems
- IV. Micro propagation
- V. Calendar production time frame for the various propagation crops

Course Requirements

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

1. Four (4) Written Exams
2. One (1) Saturday Class Field trip
3. Participation
4. Propagation Report

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 Greenhouse Production Certificate.

Date Revised: 04/27/2011