

**Common Course Outline**  
**HORT 106**  
**Plant Propagation and Production I**  
2 Semester Hours

**The Community College of Baltimore County**

**Description**

**Plant Propagation and Production I**

Studies the principles and practices in the propagation of plants; covers facilities, equipment, and supplies used in propagation.

Prerequisite: (RDNG 051 or LVR 1)

**Overall Course Objectives**

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

- A. identify and explain plant propagation terminology.
- B. compare and evaluate the assortment of propagation media.
- C. demonstrate techniques used in the propagation of seed crops.
- D. demonstrate techniques used in the propagation of cuttings.
- E. demonstrate techniques used in budding and grafting.
- F. evaluate and choose proper stock material for budding and grafting.
- G. demonstrate proper care for vegetative and seed crops.
- H. demonstrate techniques used in the propagation of specialized stems and roots.
- I. explain the principles of micropropagation
- J. develop calendar production time frames for various propagation crops.

**Major Topics**

- 1. Facilities, equipment, and supplies used in plant propagation
- 2. Propagation by seed
- 3. Vegetative Propagation: Techniques include cuttings, budding, grafting, layering, propagation of specialized stems, and micropropagation
- 4. Calendar production time frame for the various propagation crops
- 5. Using library resources to complete course assignments

**Course Requirements**

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

- 1. Weekly Lecture/Lab (practical application of tasks)
- 2. 3-4 Written Tests
- 3. Attendance and Participation
- 4. 1 Saturday Class Field Trip