

Common Course Outline
HORT 124
Greenhouse Management
3 credits

Community College of Baltimore County

Description

HORT 124 – 3 credits - Greenhouse Management examines greenhouse structures and facilities; covers greenhouse crop production techniques and procedures.

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. identify criteria important to the selection of a greenhouse site;
2. describe the different methods of laying out a greenhouse facility;
3. identify the major greenhouse designs;
4. identify the major greenhouse construction techniques;
5. describe the different methods of heating a greenhouse;
6. describe the different methods of cooling a greenhouse;
7. describe or demonstrate the cultural methods, i.e. soil, media, irrigation, fertilization, and temperature control, that are important to growing a greenhouse crop;
8. identify pest and disease management techniques that are important to growing a successful greenhouse crop;
9. describe current and new crop production techniques used in the greenhouse industry; and
10. apply greenhouse growing principles to specific crop production schedules.

Major Topics

- I. Greenhouse layout
- II. Greenhouse construction methods
- III. Greenhouse heating systems
- IV. Greenhouse cooling systems
- V. Greenhouse irrigation systems
- VI. Cultural characteristics involved in growing greenhouse crops
- VII. Crop production methods for greenhouse crops

Course Requirements

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

1. 4 Exams
2. Participation
3. Crop Production 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 following Horticulture Certificate:

Greenhouse Production

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