Course Prefix and Number: HRT 121  
Credits: 3

Course Title: Greenhouse Crop Production I

Course Description: Examines commercial practices related to production of floriculture crops. Considers production requirements, environmental control and management, and cultural techniques. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose: Introduce students to the production of fall crops that can be produced in a greenhouse. Topics include greenhouse structures, medias, crop scheduling, cultural practices, and environmental controls.

Course Prerequisites and Co-requisites: None

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Schedule a crop for a particular target date;
b. Demonstrate knowledge of environmental controls and management decisions for greenhouses;
c. Demonstrate understanding of various medias; and
d. Demonstrate understanding of greenhouse structures.

Major Topics to Be Included:
a. Review of commercial greenhouse industry and its importance to world and U.S. economy
b. Greenhouse structures and equipment
c. Crop production scheduling
d. Cultural requirements for specific crops
e. Seeding and plug production techniques
f. Growth regulators
g. Crop evaluation and trouble shooting
h. Photoperiodism in plants

Date Created/Updated (Month, Day, and Year): January 5, 2019