

J. Sargeant Reynolds Community College
Course Content Summary

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. 3 credits

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

- Schedule a crop for a particular target date;
- Demonstrate knowledge of environmental controls and management decisions for greenhouses;
- Demonstrate understanding of various medias; and
- Demonstrate understanding of greenhouse structures.

Major Topics to Be Included:

- Review of commercial greenhouse industry and its importance to world and U.S. economy
- Greenhouse structures and equipment
- Crop production scheduling
- Cultural requirements for specific crops
- Seeding and plug production techniques
- Growth regulators
- Crop evaluation and trouble shooting
- Photoperiodism in plants

Effective Date/Updated: January 5, 2019