

**J. Sargeant Reynolds Community College**  
**Course Content Summary**

**Course Prefix and Number: HRT 121**

**Credits: 3**

**Course Title:** Greenhouse Crop Production I

**Course Description (including lecture hours, lab hours, total contacts)**

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/Corequisites** (*Entry-level competencies **required** for enrollment*)

None

**Course Objectives** (Each item should complete the following sentence.)

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
- 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

**Effective Date of Course Content Summary (Month, Date, Year):** 2/12/09