

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

**Course Prefix and Number: HRT 226**

**Credits: 3**

**Course Title:** Greenhouse Management

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

Discusses the theoretical and applied practices of managing a greenhouse facility. Emphasizes greenhouse construction and design, environmental control, energy conservation, and related topics. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**General Course Purpose**

This course is field trip oriented, taking a survey and visiting many greenhouse operations in the area. It also looks at the steps necessary to start a business, and involves the creation of a business plan.

**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. Select materials for a greenhouse structure
- b. Understand the market in the area
- c. Develop a business plan for a greenhouse facility
- d. Understand the heating, cooling, coverings and maintenance of a facility

**Major Topics to be Included**

- a. Types of greenhouses
- b. Types of coverings
- c. Temperature control
- d. Watering
- e. Marketing
- f. Fertilization
- g. Pest control
- h. Media
- i. Crop scheduling

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