

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

**Course Prefix and Number:** HRT 226

**Credits:** 3

**Course Title:** Greenhouse Management

**Course Description:** 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 and Co-requisites:**

None

**Course Objectives:**

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; and
- 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. Medias
- i. Crop scheduling

**Effective Date of Course Content Summary:** February 12, 2009