

**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

Student Learning Outcomes:

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

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