

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

**Course Prefix and Number:** HRT 130      **Credits:** 3

**Course Title:** Introduction to Sustainable Farming

**Course Description:**

Familiarizes students, through lecture and demonstration, with small-scale food production by gardening. Covers the basics of composting and organic vegetable gardening using sustainable farming. Lecture 3 hours. Total 3 hours per week. 3 credits

**General Course Purpose:**

Introduce students to the various practices that go into creating an organic vegetable production operation.

**Course Prerequisites and Co-requisites:**

None

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- a. Demonstrate applications of composting, ecosystem interactions, and intensive gardening;
- b. Interface with individuals interested in organic gardening;
- c. Communicate with confidence to clients and co-workers regarding products and techniques of organic food production; and
- d. Evaluate compost for use as a soil amendment in diverse circumstances.

**Major Topics to Be Included:**

- a. Composting of organic materials into a safe and usable soil amendment
- b. Building garden ecosystems using companion planting, succession planting, and crop rotation
- c. Vegetable production by means of biointensive cultivation practices, including spacing and equipment used

**Effective Date/Updated:** June 10, 2019