

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

**Course Prefix and Number:** HRT 205

**Credits:** 3

**Course Title:** Soils

**Course Description:** Teaches theoretical and practical aspects of soils and other growing media. Examines media components, chemical and physical properties, and soil organisms. Discusses management and conservation. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**General Course Purpose:** Prepare students to manage their plant production soils properly.

**Course Prerequisites and Co-requisites:**

None

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- a. Identify the clay, sand, and silt content of a soil;
- b. Identify the chemical and physical properties of soils; and
- c. Recognize the importance of soil in the production of crops.

**Major Topics to Be Included:**

- a. Functions of soils
- b. Soil water dynamics
- c. Soil classification
- d.