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. Prerequisites: None. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose:

Course Prerequisites and Co-requisites: None

Course Objectives: Upon completing the course, the student will be able to:
a. Identify the clay, sand, and silt content of a soil;
b. Understand the chemical and physical properties of soils; and
c. Understand 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. Soil architecture and physical properties
e. Soil acidity
f. Organic matter
g. Soil erosion
h. Soil nutrient management

Effective Date of Course Content Summary: February 12, 2009