

HALT 2418
Soil Fertility and Fertilizers

Western Texas College

- I. Basic Course Information:
 - A. Course Description: An in-depth study of the chemistry, soil interaction, plant uptake, and utilization of essential plant nutrients. Topics include deficiency and toxicity symptoms, and the selection, application and characteristics of fertilizer materials.
 - B. Any required prerequisites: None
- II. Student Learning Outcomes
 - A. Describe the functions of essential elements in plants; calculate fertilizer requirements and specify application rates; and list various fertilizer materials available for use on horticultural plants.
- III. Major Course Requirements
 - A. Major Requirement 1 – There will be weekly tests for 33 1/3 % of the grade.
 - B. Major Requirement 2 -- 33 1/3 % of grade is work done in lab -- 33 1/3 % of grade from notes taken in class
- IV. Information on Books and Other Course Materials
 - A. Required Book: Ornamental Horticulture -- Principles and Practices by Jack E. Ingels
 - B. Required Access Code: None
 - C. Calculators: N/A
 - D. Other
- V. Other Policies, Procedures and important dates: Please refer to the WTC Course [Catalog](#) for the following:
 - A. Academic Integrity
 - B. ADA Statement:
 - C. Special Assistance
 - D. Affirmative Action
 - E. Drop/Withdrawal -- Last day to drop is third class day
 - F. Exam Schedule
- VI. Course Organization and Schedule
 - A. Weekly Course Schedule

Week 1	Read Chapter 2 of the textbook. Test will be given at the completion of a review and discussion.
Week 2	Read Chapters 1 & 2 of the textbook. Test will be given at the completion of a review and discussion.
Week 3	Read Chapter 2 of the textbook. Test will be given at the completion of a review and discussion.
Week 4	Read Chapter 2 of the textbook. Test will be given at the completion of a review and discussion.

	Practical applications of material learned in class will be observed each day in the Lab studies in the greenhouse.
--	---

Last Modified: August 18, 2015