

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: HRT 207

Credits: 3

Course Title: Plant Pest Management

Course Description (including lecture hours, lab hours, total contacts)

Teaches principles of plant pest management. Covers morphology and life cycles of insects and other small animal pests and plant pathogens. Lab stresses diagnosis, chemical and non-chemical control of specific pests, and pesticide safety. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

None

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. Select, use and dispose of pesticides properly
- b. Demonstrate and understanding of pesticide safety precautions
- c. Obtain a private pesticide applicator's license
- d. Identify various plant pests
- e. Prescribe proper treatment for various plant pests
- f. Demonstrate and understanding of the life cycles of various plant pests

Major Topics to be Included

- a. Pesticide Training
- b. Identify various insects and their life cycles
- c. Recommend proper control of insects
- d. Identify various plant pathogens and their life cycles
- e. Recommend proper control of plant pathogens
- f. Identify weeds
- g. Identify proper control of weeds

Effective Date of Course Content Summary (Month, Date Year): 2/12/09