

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: HRT 199

Credits: 3

Course Title: Training for Commercial Pesticide Application

Course Description: Introduces students to the principles and practices for safe pesticide usage as required by law in the state of Virginia. Students will participate in hands-on calibration exercises; take home label exercises; calibration math exercises; classroom lecture and discussion; and two tests. This course is usually taught as a *dynamic course*, meeting for 7 hours once a week for 7 weeks. Lecture 3 hours.

General Course Purpose: Students will learn pesticide safety practices as well as applicable pest management techniques in order to prepare for the state certification exams. The ultimate outcome of the class is to become a commercial pesticide applicator in Categories 3A and 3B Ornamentals and Turf (as designated by the Virginia Pesticide Control Board). This course can be substituted for HRT 125, Chemicals in Horticulture, which is a required course in the Horticulture Technology AAS degree.

Course Prerequisites and Co-requisites:

None

Course Objectives:

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

- a. Summarize the principles of pesticide safety;
- b. Identify and comply with the regulations affecting commercial pesticide applicators in Virginia;
- c. Recognize and implement management techniques for ornamental and turf pests; and
- d. Compute square footage and perform other required calibration math to determine the correct rate of product application.

Major Topics to Be Included:

- a. Pesticide regulations in Virginia
- b. Labeling and formulations
- c. IPM
- d. Environmental concerns
- e. Mixing, loading and applying pesticides
- f. Personal protection
- g. Spill management
- h. Ornamental pest management
- i. Turf pest management

Effective Date of Course Content Summary: October 9, 2012