

Virginia Western Community College

HRT 207

Plant Pest Management

Prerequisites

None.

Course Description

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.

Semester Credits: 3 Lecture Hours: 2 Lab/Clinical/Internship Hours: 2

Required Materials

Textbook:

Entomology and Pest Management, Seventh edition, Waveland Press, Inc., 4180 IL Route 83, Suite 101, Long Grove, IL 60047-9580, ISBN 978-1-4786-3992-3.

Other Required Materials:

NONE

Course Outcomes

At the completion of this course, the student should be able to:

- Demonstrate skills in identification of plant pests
- Describe the life cycles of common plant pests
- Develop practical pest control methods
- Understand the concept of I.P.M.
- Develop a panoptic view of pesticide safety

Topical Description

Topical Outline:

- I. Entomology
 - A. Pests of Deciduous Trees and Shrubs
 - B. Pests of Conifers
 - C. Pests of Greenhouse Crops
 - D. Pests of Nursery Crops
 - E. Pests of Turf
- II. Plant Pathology
 - A. Identification
 - B. Characteristics
 - C. Mechanics
- III. Pesticides
 - A. Identification
 - B. Characteristics
 - C. Uses
- IV. Weeds

Notes to Instructors

The following is located in W217 cabinets for student reference:

Ortho Problem Solver, 2nd edition, Michael D. Smith editor; ISBN: 0-89721032-8.
Horticulture Industry Periodicals

College Policies

[ADA Statement](#) (PDF)

[Title IX Statement](#) (PDF)