

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 pesticides 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:**

Integrated Pest Management For Floriculture And Nurseries, Publication 3402, Statewide Integrated Pest Management Project, University Of California Division of Agriculture And Natural Resources For Floriculture and Nurseries; ISBN#: 9781879906464

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 controls
- Understand the concept of I.P.M.
- Develop a panoptic view of pesticide safety

Topical Description

- Introduction of entomology, plant pathology and weed science
- Mechanics of plant pathology Pages 69 - 130
- Mechanics of entomology Pages 131 – 226, 265 - 272
- Mechanics of weed science Pages 227 – 264
- Abiotic disorders and cultural practices Pages 41 - 68
- I.P.M Pages 1 -4
- Pesticides
- Pests in the Landscape (pest scouting and identification in the field)
 - Pests of Conifers
 - Pests of deciduous trees and shrubs
 - Pests of herbaceous plants
 - Pests of turf
- Greenhouse and Nursery crop pest control Pages 5 - 40
- Specialty crop pest control
- Wood boring insects
- Non-pathogenic problems
- Alternative host relationships
- Economic entomology

Notes to Instructors

The following is located in N102 for student reference:

Live materials/specimens as available Ortho Problem Solver, 2nd edition, Michael D. Smith editor; ISBN: 0-89721032-8.