

HORT A170: PEST CONTROL APPLICATORS AND GARDENERS P.C.O. CERTIFICATION

Item	Value
Curriculum Committee Approval Date	10/16/2024
Top Code	010900 - Horticulture
Units	1 Total Units
Hours	18 Total Hours (Lecture Hours 18)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

Course Description

Preparation for California Certification Exam as Pesticide Applicator and Gardeners Maintenance Pest Control Operators. Emphasis on safe use of pesticides, alternative pest management. Ornamental, turf grass, industrial, right-of-way and seed treatment control. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Identify and apply the laws and regulations pertaining to the use of pesticides in California.
2. Describe the procedures involved in the safe applications of pesticides to horticultural plants.

Course Objectives

- 1. Discuss the various laws and regulations and entities affecting pest control.
- 2. Realize the importance of safety in the handling and application of pesticides.
- 3. Discuss the pesticide label as a legal document.
- 4. Discuss the various Biotic disorders in plants.
- 5. Differentiate between A Biotic and Biotic disorders in plants.
- 6. Discuss IPM (Integrated Pest Management) and how it relates to pest control.

Lecture Content

Laws and Regulations Specific Pests: insects and relatives; snails/slugs; vertebrate; weeds Plant Diseases: parasites and non parasites Pesticides: classification; labels; LD50 value of LC50; toxicity symptoms and first aid; application and safety Alternatives to pesticides IPM , Integrated Pest Management

Method(s) of Instruction

- Lecture (02)

Instructional Techniques

Lectures by the instructor using PowerPoint, demonstrations by the instructor

Reading Assignments

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Writing Assignments

Written Examinations, short answer, essay

Out-of-class Assignments

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Demonstration of Critical Thinking

Pre and post exams and quizzes, practice exercises

Required Writing, Problem Solving, Skills Demonstration

Written Examinations, short answer, essay

Other Resources

1. Pesticide Applicator's Training Packet from U.C. Agri. Extension, Berkeley, CA 94710 c/o WRRL Buchanan St. 2. Pesticide Application and Safety Training 3. EPA's Apply Pesticides Correctly 4. 6 Guides within specific categories as ornamental and turf grass 5. Leaflet on Vertebrate Pest Control 6. Leaflet on safety tips 7. Pests of landscape trees and shrubs 2nd edition, UC Extension service