

HORT 400B: PEST MANAGEMENT: PEST CONTROL

Foothill College Course Outline of Record

Heading	Value
Units:	0
Hours:	6 lecture per quarter (6 total per quarter) This course meets 1 time per quarter.
Degree & Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability

Student Learning Outcomes

- Identify the polyphagous shot hole borer
- Differentiate insects and explore alternative controls

Description

This course will introduce students to the polyphagous shot hole borer as a means to biological control through predators. Additional topics include differentiating insects and exploring alternatives to pesticide use in lawn. This course may satisfy requirements for those students seeking continuing education for pesticide applicator licensure.

Course Objectives

The student will be able to:

- Describe the polyphagous shot hole borer.
- Identify damage from polyphagous shot hole borer.
- Identify harmful pests.
- Identify beneficial pests.
- Develop alternatives to pesticide use in a lawn.

Course Content

- Description of the polyphagous shot hole borer.
 - Identification of insect.
 - Description of habitat.
 - Identification of insect residuals.
- Damage from polyphagous shot hole borer.
 - Identification of damage created by insect.
 - Description of damage from insect occupation.
- Identification of harmful pests.
 - Listing of harmful horticultural pests.
 - Identification of harmful horticultural pests.
- Identification of beneficial pests.
 - Listing of beneficial horticultural pests.
 - Identification of beneficial horticultural pests.
- Identifying alternatives to pesticide use in a lawn.
 - Turf pesticide alternatives.

- Identification of current turf pesticides.
- Identification of biological and bio-rational alternatives to pesticides in lawns.

Lab Content

Not applicable.

Special Facilities and/or Equipment

- Lecture room with multimedia video/audio equipment.
- Exterior area in which to observe garden pests.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Written exams.
- Presentation on course topics.

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture from instructor.
- Lecture from guest speakers.
- Demonstrations of technical topics.
- Discussion with groups and students in class.
- Observation of participatory demonstrations.

Representative Text(s) and Other Materials

[California Department of Pesticide Regulations Laws and Regulations Study Guide](#). 2nd ed. Sacramento, CA: State of California, 2011.

This is a seminal document developed by the State of California and is required for licensure.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- Reading 15-30 pages per week from assigned text.
- Reading handouts and website material.
- Web and library research.

Discipline(s)

Ornamental Horticulture