

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code

BOTY

Course Number

2013

Course Title

Pest Management

Catalog Description

Introduction to basic principles of pest management as they relate to vertebrate animals, insects, plant disease and weeds. Selected pests are studied with emphasis on current management approaches and alternative pest control.

Prerequisites

HORT 2004 with a grade of "C" or better

Credit Hours

3 credit hours

Contact hours

45 lecture contact hours

Load hours

3 load hours

Semesters Offered

Fall

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- Describe basic biological processes underlying IPM
- Discuss the impact of convention methods of controlling pests and why IPM is necessary in modern agriculture
- Demonstrate different techniques in pest management.
- Identify multiple practices that protect plants from disease

General Education Outcomes Supported

- None

Standard Practices

Topics list

- The science underlying pest management
- Defining weeds, insect pests and plant pathogens
- Cultural and chemical control of weeds
- Cultural and chemical control of insects
- Cultural and chemical control of plant pathogens
- Define IPM and its uses
- Organic approaches

Learning activities

- Courses must, at a minimum, cover the core learning outcomes for each topic.

Assessments

- Required forms of assessment include written examinations, and demonstration of understanding of the principles presented in lecture.

Grading guidelines

- A minimum of 70% of the grade must be proctored, supervised, or otherwise verified.

Revision Date

April 8, 2021