

## CUMBERLAND COUNTY COLLEGE

Course: AG 207: Agricultural Pest Control & Management

Credits: 4

Prerequisites: RD 100, EN 060

Description: Designed to introduce the student to the fundamental theories, principles and practices of pest control for agriculture and ornamental horticulture crops and greenhouse. Diagnostic skills for insect, disease, and weed identification are presented.

### Learning Outcomes

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

- Identify, name and describe damage caused to crops by the major insect pests
- Identify, name, describe the benefits provided by insects beneficial to agriculture
- Identify and name agricultural crop diseases and describe how they affect agricultural crops
- Develop strategies for the control of pests and diseases in agricultural crops
- Describe the benefits of Integrated Pest Management

### Topical Outline

- External Structure of Insects
- Insect Classification
- Insect Life Cycle
- Insect Ecology
- Pest Management Theory
- Pest Management Through Biological Controls
- Conventional Pesticides
- Integrated Pest Management
- Insect Pests of Agricultural/Ornamental Horticulture Importance
- Plant Pathology
- Weeds of Agricultural/Ornamental Horticulture Importance
- Diseases of Vegetable Crops
- Diseases of Fruit Crops
- Diseases of greenhouse Crops
- Diseases of Nursery Crops

Text: Supplemental Text: Pesticide Applicators Training Manual – CORE  
Additional Resources

Student Assessment: Assessment may be accomplished through projects, portfolios, exams, presentations and/or papers.

Academic Integrity: Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense. As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Note: If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

### **Before Withdrawing From This Course**

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) **BEFORE** withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.