



Syllabus

HRT 230 Certified Applicator Training

General Information

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Department Conservation

Course Prefix HRT

Course Number 230

Course Title Certified Applicator Training

Course Information

Catalog Description This is a preparatory class for students interested in becoming New York State Department of Environmental Conservation (NYSDEC) licensed pesticide applicators. Studies will concentrate on preparing the student for testing to become Commercial Pesticide Applicators in the Category 3a: Ornamentals and Turf. This course presents information regarding proper procedures for managing pests in the landscape and acts as the 30-hr course required by the NYS DEC prior to testing. Students will be given the opportunity to take the state examination for licensure.

Credit Hours 3

Lecture Contact Hours 3

Lab Contact Hours 0

Other Contact Hours 0

Grading Scheme Letter

Prerequisites

HRT 110

Co-requisites

None

First Year Experience/Capstone Designation

This course **DOES NOT** satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

None

Course Learning Outcomes

Course Learning Outcomes

1. Identify the general categories of pests
2. Match selection of PPE (personal protection equipment) to pesticide category
3. Explain state and federal laws applicable for the protection of people and the environment
4. Describe aspects of IPM (Integrated Pest Management) that protect the environment

Outline of Topics Covered

- I. Pests- defined
- II. Pesticides
 - a. Types
 - b. Formulations
- III. Exposure, Risk/Toxicity
- IV. Personal Protection, Pesticide Exposure
- V. Fate of Pesticides in the Environment and Protecting Water
- VI. Resistance, MOA, Precautions and Specifics
- VII. IPM
- VIII. Labels
- IX. Laws
 - a. Worker Protection Standards
 - b. Federal Laws
 - c. Residue
 - d. Tolerances

- e. New York State Laws and Reporting
- X. Storing and Transporting
- XI. Security and Emergency Planning
- XII. Application Methods, Equipment, Waste Management and Safety
- XIII. Weed Identification and Management
- XIV. Drift and Equipment
- XV. Basic Plant Pathology
- XVI. Introduction to Turfgrass Management

Program Affiliation

This course is not required as a core course in any programs.