



Western Technical College

10001113 Ornamental Plant Health Care

Course Outcome Summary

Course Information

Description	The identification of and control of insects and diseases, with a focus on plant health care and maintenance will be emphasized in this course. An integrated pest management approach in diagnosing pest problems and the control of pests both natural and cultural. Physical and chemical applications will be included. Calibrations, laws, regulations, safety and ecological impact are also covered. Training and testing for the Wisconsin Commercial Pesticide Applicator Exam, Category 3.0 Landscape and Turf is part of this course.
Career Cluster	Agriculture, Food and Natural Resources
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	72

Textbooks

WI Pesticide Applicator Training Manual: Turf and Landscape (Category 3.0). 8th Edition. Copyright 2019. Publisher: Wisconsin Department of Agriculture, Trade and Consumer Protection. Required.

Learner Supplies

Hand lens. **Vendor:** To be discussed in class. Required.

Three-ring binder. **Vendor:** Campus Shop. Required.

Course Competencies

1. **Identify major insect pests of ornamental plants and provide appropriate control recommendations.**
2. **Accept plant diseases**
3. **Accept and analyze abiotic plant problems.**
4. **Be able to identify major insect, disease, weeds, and animal pests of ornamental plants and landscapes, and provide appropriate control recommendations**

Learning Objectives

- 4.a. Be able to identify major insect pests of ornamental plants, identify damage caused by insects, and provide appropriate control recommendations.
 - 4.b. Summarize insect biology and life cycles, and be able to distinguish between different types of arthropods.
 - 4.c. Describe the major groups of plant pathogens.
 - 4.d. Identify signs and symptoms of major diseases of ornamental plants and provide appropriate control recommendations.
 - 4.e. Identify major weeds of ornamental landscapes and provide appropriate control recommendations
 - 4.f. Identify major animal pests of ornamental landscapes and provide appropriate control recommendations.
 - 4.g. Differentiate between signs and symptoms of plant disease.
 - 4.h. Recognize symptoms of nutrient deficiencies in ornamental plants.
 - 4.i. Identify common abiotic disease agents and common plant injuries.
- 5. Demonstrate knowledge of and be able to interpret pesticide laws and regulations.**
- 6. Apply processes of Ornamental Plant Health Care to landscapes and Integrated Pest Management in horticulture production.**