Course Information Form (CIF)

Course Code: AGB 212

Course Title: Weed Identification and Control

Department: Agricultural Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 01.0304
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 0-4-2
Credit Hour Distribution:

Lecture: 0	Lab: 4	Clinical: 0	**Total: 2**

General Course Information

Catalog Description

Principles and applications of weed control by identifying 70 weed species, 30 herbicides and associated crop/weed response, use of spray equipment, and solving problems related to herbicide use.

General Course Objectives

- Students will be able to recognize potential plant weed problems.
- Students will be able to plan a weed management program by utilizing various practical herbicide control methods.

Minimum Placement Levels

English	Reading	Math
Placement into ENG 098	Placement into CCS 098	Placement into MAT 060

Prerequisites

Credit in AGB 103 or AGB 104

Methods of Evaluation

The minimum number of evaluation methods include: 4-6 identification assignments, 4 calibration assignments, and participation in the North Central Weed Science Society Weeds Contest.

Instructional Materials and Additional Supplies

- Illinois Pest Training Manual/General Standard Manual and Workbook, SP39 and SP39W, U of I/Ag Extension Manual, U of I/Vo Ag
- Field Crop Scouting Manual, U of I/Ag Extension

Course Content

General Learning Outcomes (GLOs)

- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.
- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Weed Seedlings	1. Differentiate between 70 weed seedlings. Report identities using both common and scientific names. 2. Classify seedlings according to taxonomic and agronomic categories for use in effective weed control measures.	0	15	0
Crop Sprayer Calibration	1. Demonstrate proper methodology in crop sprayer calibration and use. 2. Demonstrate safe herbicide sprayer operation. 3. Demonstrate proper construction, deconstruction, and troubleshooting of multiple types of liquid sprayer systems.	0	15	0
Herbicide Identification	1. Employ critical thinking skills to correctly differentiate 30 unknown herbicides by visually inspecting 24 crop and weed species' response to herbicides to detect damage to crops and weeds.	0	15	0
Cropping Problems	1. Incorporate all knowledge of weed and crop science to formulate a plan to solve weed crop problems in the field. 2. Communicate with concerned customers about existing field problem(s). 3. Make recommendation(s) to remedy or prevent recurrence.	0	15	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
0	60	0