

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. AGRI

COURSE NUMBER: 1125

NUMBER OF CREDITS: 2

Lecture: 2 Lab: 0 OJT: 0

Course Title:

Custom Application

Catalog Description:

Custom Application is designed for the student pursuing a career in crop production or agronomy services area. The student will receive hands-on instruction in the safe operation and calibration of custom sprayers and spreaders. The student will be prepared for and issued the Minnesota State Custom Application exams for categories (Core-A, Field Crop Pest- C, Seed Treatment-H) - leading to licensure in those areas.

Prerequisites or Necessary Entry Skills/Knowledge:

None

FULFILLS MN TRANSFER CURRICULUM AREA(S)

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered

Pest Management

Federal Pesticide Laws

Pesticide Labeling

Pesticide Formulations

Pesticide Hazards and First Aid

Personal Protective Equipment

Pesticides in the Environment

Transportation, Storage, and Security

Weed Management

Insect Management

Disease Management

Seed Treatment

Student Learning Outcomes
Identify and demonstrate safe handling techniques in mixing, loading and applying pesticides commercially.
Identify components of custom application equipment.
Calculate application rates for crop and seed pesticides.
Identify and apply key components of integrated pest management
Describe product labeling and application records.
Identify crop pests (Weeds, Insects, Diseases)
Demonstrate personal protective equipment.
Describe Federal and State pesticide laws.
Explain pesticide formulations.
Complete commercial applicators exam.

Is this course part of a transfer pathway: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
--

Revised Date: 6/2021