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 ☐ No ☒

Revised Date: 6/2021