MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Collegewide Curriculum Committee.

DEPT.: AGRI            COURSE NO.: 1125

NUMBER OF CREDITS: 2

COURSE TITLE: Custom Application

CATALOG DESCRIPTION: The Custom Application course 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 A, C, & D, leading to licensure in those areas.

AUDIENCE: Agriculture students and students interested in the operation of commercial application equipment as it pertains to farm chemicals and fertilizers.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area : by meeting the following competencies:
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PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: None

LENGTH OF COURSE: Jan 6 – March 1

THIS COURSE IS USUALLY OFFERED:
Every other year ☒ fall ☐ spring ☐ summer ☐ undetermined ☐

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT:
   1. To identify the necessary steps for safely handling and applying farm chemicals commercially.
   2. To identify components of custom application equipment.
   3. To calculate application rates for farm pesticides and fertilizers.
   4. To identify key components of integrated pest management.
   5. To discuss sprayer and dry flow application components.
   6. To identify the key maintenance components of Terragators and Rowgators

2) THINKING SKILLS:
   1. To identify product labeling and handle in accordance to code.
   2. Analyzing and calibrating batch mixes to determine compatibility
   3. To determine the most cost effective and environmentally friendly approach to pests and soil fertility.
3) COMMUNICATIONS SKILLS:
   1. Written tests
   2. Oral exams (component review)
   3. Class discussion

4) HUMAN DIVERSITY:
   1. To develop an appreciation for the sound use of integrated pest control measures utilized in sustaining an ample, safe global food supply.

TOPICS TO BE COVERED:

LIST OF EXPECTED COURSE OUTCOMES:

LEARNING/TEACHING TECHNIQUES used in the course are:

- Collaborative Learning
- Problem Solving
- Student Presentations
- Interactive Lectures
- Creative Projects
- Individual Coaching
- Lecture
- Films/Videos/Slides
- Demonstrations
- Other (describe below)
- Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Reading
- Tests
- Individual Projects
- Oral Presentations
- Worksheets
- Collaborative Projects
- Textbook Problems
- Papers
- Portfolio
- Group Problems
- Term Paper
- Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES: To receive licensure for Custom Application in the State of Minnesota

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

The information in this course outline is subject to revision

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.
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