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.: 2202

NUMBER OF CREDITS: 3

COURSE TITLE: Weed Control

CATALOG DESCRIPTION: Surveys the principles and methods of weed control and the modes of action of herbicides.

AUDIENCE: Post secondary Agriculture students

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: One semester

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 explain the uses and limitations of the various herbicides in controlling weeds for each specific crop.

2. To identify common weeds.
3. To acquaint the student with chemical formulation and chemical grouping of various herbicides and how these groups affect plant growth.

4. To show the student safety in using, storing and applying herbicides.

5. To calculate the proper sprayer calibration and proper application of herbicide.

2) THINKING SKILLS:

1. Researching materials and assembling a term paper.

2. Using classroom information and applying that knowledge to the principles and practices of crop production.

3. Solving problems of varietal selection and improvement.

3) COMMUNICATIONS SKILLS:

1. Writing and presenting a presentation program with digital camera and PC

2. Taking notes

3. Written tests

4. Classroom discussion

4) HUMAN DIVERSITY:

1. Recognition of starvation in Third World countries

2. The role that weed control plays in providing healthy diets to humans throughout the world.

TOPICS TO BE COVERED:

1. Biology of weeds and weed seeds

2. Herbicides and the plant

3. Herbicides and the soil

4. Selectivity of herbicides
5. Formulations, drift and calculations
6. Application equipment
7. Chemical families
8. Best management practices

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   X   Field Labs

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:

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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