DEPT. AGRI | COURSE NUMBER: 2212

NUMBER OF CREDITS: 3  | Lecture: 3  Lab: 0  OJT 0

Course Title:
Corn and Soybean Production

Catalog Description:
Corn and Soybean Production explores practices used in corn and soybean production, variety and hybrid selection, seed bed preparation and planting, fertilizer programs, water management, weed control, harvesting, storage and marketing.

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

- Climate and Environment
- Tillage, Planting, Harvest Practices
- Hybrid Selection
- Deficiency Symptoms
- Variables of Yield
- Plant Physiology
- Fertility
- Corn and Soybean Development
- Yield Calculations
- Harvest and Storage
- Pest and Pesticide Control

### Student Learning Outcomes

- Select hybrids to meet marketing needs.
- Calculate Growing Degree Units
- Describe advantages and disadvantages of tillage, planting, harvesting systems.
- Identify primary insect pests of corn and soybeans and their control.
- Develop a fertility plan.
- Identify growth stages of corn and soybeans.
- Calculate yield
- Describe drying and storage systems.
- Calculate spray solutions.
- Describe impacts of biological and economic yield.
- Identify corn and soybean nutrient deficiencies.

### Is this course part of a transfer pathway?

- Yes ☐  No ☒

- Revised Date: 6/2021