DEPT. AGRI   COURSE NUMBER: 2205

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

Course Title:
Introduction to Precision Management Software

Catalog Description:
Introduction to Precision Management Software is intended to serve as an introduction to several precision management software packages that are used to manage farming decisions and implement site specific crop management.

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
- Role of spatial management software in agriculture
- Basics of geographic information systems
- Management trees
- Reading field display files
- Importing/Exporting shape files
- Reading Legends
- Soil Sampling
- Crop Scouting
- Layering
- Prescriptions

# Student Learning Outcomes
- Demonstrate use of spatial management software programs.
- Develop management decisions from field data.
- Collect infield information such as soil types, soil grids, crop scouting, and yield data.
- Create variable rate application (VRA) prescriptions.
- Operate a mobile computer.
- Import field data from field displays.
- Define a field, create a boundary, and develop a soil grid
- Layer mapping features.

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**Is this course part of a transfer pathway:** Yes ☐ No ☒

Revised Date: 6/2021