

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. FBMA

COURSE NUMBER: 2132

NUMBER OF CREDITS: 2

Lecture: 2 Lab: 0 OJT 0

### Course Title:

Directed Studies in Modern Agricultural Technology

### Catalog Description:

Directed Studies in Modern Agricultural Technology evaluates modern agricultural technological changes and will determine if they fit into an individual's farming operation.

### Prerequisites or Necessary Entry Skills/Knowledge:

**FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)**

- 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 (General)

1. Examine emerging agricultural technology
  - a. Lay out an application plan for integrating ag technology into the farming operational goals
  - b. Determine the advantages and disadvantages of the application of ag technology into the business
  - c. Investigate the feasibility of the application of technology into the business
2. Promote administrative skills
  - a. Improve written and oral presentation skills
  - b. Develop team and/or project management skills

### Student Learning Outcomes

Prepare a technology needs assessment of the operation
Determine the current available technology now employed on site
Compare available technologies available to the operation
Develop cash flow projections involving technological investments
Assess the value of potential investments in technology
Implement the technology

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