

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. DSL

COURSE NUMBER: 2190

NUMBER OF CREDITS: 2

Lecture: 2 Lab: 0 OJT 0

Course Title:

GPS Systems Operation

Catalog Description:

GPS Systems Operation explains the operation, installation, adjustment, and repair of the GPS in accordance to the system principles.

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

Global Positioning fundamentals

Global Positioning service and repair

Student Learning Outcomes

Describe parts of global positioning hardware

Discuss the theory of Global Positioning Systems

Troubleshoot issues in Global Positioning Systems

Discuss how GPS systems are used in the industry of Ag production, over the-road trucks, travel/log books, and heavy equipment operation.

Install Global Positioning Systems

Repair Global Positioning Systems

Is this course part of a transfer pathway: Yes No

Revised Date: 8/2021