

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. DSL

COURSE NUMBER: 2190

NUMBER OF CREDITS: 2

Lecture: 2 Lab: 0 OJT 0

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| Course Title: |
| GPS Systems Operation |

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

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| 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:

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| Topics to be Covered |
| Global Positioning fundamentals |
| Global Positioning service and repair |

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| 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