MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT.  MACH       COURSE NUMBER: 1410

NUMBER OF CREDITS:  2  Lecture: 1  Lab: 1

<table>
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<th>Course Title:</th>
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<tr>
<td>Interpreting Engineering Prints I</td>
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<th>Catalog Description:</th>
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<td>Introduces students to engineering drawings and &amp; interpretation of information included in current industrial blueprints.</td>
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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:

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<th>Prerequisites or Necessary Entry Skills/Knowledge:</th>
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<td>None</td>
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Topics to be Covered (General)
Apply math concepts to industrial prints
Title blocks
Dimension symbols.
Line-types.
Standard views
Machinist’s Handbook.

Student Learning Outcomes

1. Apply math concepts from engineering drawings as it relates to machining and measurement.
2. Identify information contained in title block
3. Define and apply dimensioning symbols as they relate to machining and inspection.
4. Apply information obtained in Machinist’s Handbook
5. Recognize a safe work environment and the need for personal safety.
6. Identify standard views
7. Define different line-types
8. Identify dimension symbols.

Is this course part of a transfer pathway:  Yes  No
*If yes, please list the competencies below

All syllabi must include the following statement:
To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, high school students are encouraged to notify their counselor and instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or via your preferred Telecommunications Relay Service.

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