MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

DEPT. WELD   **COURSE NUMBER: 1200**

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

Course Title:
Blueprint Reading for Welders

Catalog Description:
Blueprint Reading for Welders presents a thorough foundation for understanding the symbols, practices, and concepts used in prints created for manufacturing. It will present information on blueprint reading using a step by step process to enable students to visualize and interpret blueprints used in industrial settings.

Prerequisites or Necessary Entry Skills/Knowledge:
None

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
Visualizing shapes
Line usage
Title blocks and notes
Dimensions and tolerances
Drawing types
Views
Drawing revision systems
Machining specifications and notes
Weld/Fabrication prints and symbols

Student Learning Outcomes
Identify symbols, practices and concepts used in blueprints created for manufacturing.
Demonstrate ability to visualize and interpret the information presented on blueprints used in industry.

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

Revised Date: 3/29/2022