

WELD-128-BLUEPRINT READING FOR WELDERS 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Stresses interpretation of prints related to welding and metal fabrication. Types of prints, print reproduction, welding and construction symbols and workbook exercises are reviewed.

Prerequisites: None

Semester Offered: Fall

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

1. To provide the student with an understanding of the importance of blueprint reading and the interpretation of drawings and symbols used in welding and fabrication.

Specific Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Read basic lines.
2. Read and understand basic views.
3. Read and understand notes and specifications.
4. Read dimensions.
5. Identify structural shapes.
6. Read symbols (all types) primarily used in welding.
7. Print details.
8. Read and understand tolerances along with scales for all types of fabricating materials.