

SYLLABUS

COURSE # AND TITLE –WELD 218 Pipe Fabrication and Layout II # OF CREDITS 4

CATALOG DESCRIPTION

A continuation of Pipe Fabrication and Layout I. Emphasis on construction techniques using a variety of joint designs in the piping industry will be covered.

Semester Offered: Fall and Spring

Prerequisites: WELD 217 and WELD 229

Common Student Learning Outcomes

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

<i>Learn</i>	<i>Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.</i>
<i>Think</i>	<i>Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.</i>
<i>Communicate</i>	<i>Students will exchange ideas and information with clarity and originality in multiple contexts.</i>
<i>Integrate</i>	<i>Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.</i>
<i>Act</i>	<i>Students will act purposefully, reflectively, and respectfully in diverse and complex environments.</i>

GENERAL LEARNING OBJECTIVES

1. Construction of various pipe joints using templates
2. Use of formulas for pipe fabrication
3. Layout techniques for piping systems.

SPECIFIC LEARNING OUTCOMES

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

1. Construct and weld Lateral connections
2. Construct and weld 60 degree True “Y”
3. Construct and weld a Blunt Head on various sizes of pipe
4. Construct and weld a Orange Peel Head on various sizes of pipe
5. Construct and weld Concentric and Eccentric reducers
6. Construct and weld Vent Hood – “V” Shape and “T” Shape
7. Construct and weld rolling and combination offsets on pipe.

Syllabus developed by _____ Date: _____

Syllabus reviewed by _____ Date: _____

A current syllabus must be on file in the dean’s office for every course being taught during a given semester.