

SYLLABUS

COURSE # AND TITLE SPTO 295 Introduction to Mig-Tig Welding # OF CREDITS 3

CATALOG DESCRIPTION

This is a basic hands-on course designed to provide the student with the ability to set-up, maintain and operate Tig plus Mig welding equipment. Safety practices will be stressed. This class does not articulate with degree or certificate programs.

Semester Offered: Spring

Prerequisites: WELD 150- Basic Welding

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. To provide the student with the ability to set-up and weld low carbon metals using the Tig and Mig processes.

SPECIFIC LEARNING OUTCOMES

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

1. Set-up, operate, plus maintain Tig and Mig equipment.
2. Select the appropriate gas used in the operation of Mig and Tig welding.
3. Select appropriate filler metal for mig and tig welding.
4. Perform the task of welding basic joints in all positions using the Mig and Tig processes on mild steel plate.
5. State rules for shop and personal safety.

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.