



WELD 111 Welding for Trades and Industry Section Name Section Credit Hours Credits
Syllabus

Course Information

Meeting times and location: section meeting_times section location

Catalog description: Course covers procedures, processes, equipment and terminology employed in the welding related fields. Welding equipment and industry safety will also be covered. Provides students with the basic knowledge and hands on experience to perform basic cutting operations. Stresses the theory and practical application of stick electrode welding with E6010, E7018 and E7024 electrodes.

Terms offered: Fall and Spring

Section-specific Course Description:

Course Level Objectives

GENERAL LEARNING OBJECTIVES

1. Provide the student with safety practices.
2. Familiarize students with Welding Terminology.
3. Provide basic understanding of welding plus ox/acetylene equipment and their use.

SPECIFIC LEARNING OUTCOMES

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

1. Participate in the welding safety program.
2. Define terms associated with metals.

3. Perform basic metal identification.
4. Identify and operate oxy-acetylene cutting equipment.
5. Operate arc-welding equipment.
6. Weld basic joints in various positions.

Required Texts and/or Materials

No Textbook required

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Course Requirements

Students will do the following activities:

1. Participate in the welding safety program.
2. Define basic terms associated with welding.
3. Identify basic metals.
4. Identify and operate oxy-acetylene cutting equipment.
5. Operate arc welding equipment.
6. Use basic hand tools and shop equipment to safely construct mild steel plates.
7. Weld in the flat, horizontal, vertical and overhead positions.

Grading

Final grades are calculated based on the following...

TOTAL GRADE BREAK DOWN

LAB WORK 45%

WRITTEN TESTS 10%

ATTENDANCE 15%

FINAL TEST 30%

GRADE SCALE

100 -90 A

89 -80 B

79 -70 C

69 -60 D

BELOW 59 F

Course Time Commitment

Besides the normal class time you should be spending 3-6 hours a week outside of class with homework and reading through the text.

Canvas Participation and Expectations

All grades will be posted in Canvas and it is the student's responsibility to check their grades and get with the instructor if there are any questions.

Participation and Attendance Policy

Students are expected to attend every class.

If a class is missed, students will be able to make up two class periods of time by coming in at the instructor's discretion and working on an assignment given to the student by the instructor. Students will have 1 week from the date of the missed class to make up that class. After that time, students will not be able to make up that class. Extraneous circumstances may dictate special arrangements to be made between instructor and student for when missed classes can be made up.

An absence is ANY EVENT causing the student to miss class.

When a student accumulates excessive absences he/she will not pass the class.

Tardies: 3 tardies equal 1 absence. A tardy is 1 to 10 minutes late. After that time, a student will be marked absent.

There are three excused absences: funeral of immediate family member, jury duty and military service. All other absences will be evaluated by the instructor on a case by case basis.

ABSENCES

0 absence 100%

1 absence 80%

2 absences 60%

3 absences 40%

4 absences 20%

5 absences 0%

Instructor Response Times & Regular Interaction Expectations

I will answer emails and messages within 24 hours

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

All assignments and due dates are subject to change.

Assignments:

Oxy/Fuel Quiz

SMAW Quiz

Cutting Project

Welding Pads of Beads: 1F,2F

Weld Final

Written Final

Technical Support

Technical support is available through the San Juan College Help Desk 24/7/365. The help desk can be reached at 505-566-3266 or by creating a ticket at [San Juan College Help Desk](#).

For password reset and Canvas support, visit the [Student Technology Guide](#) website.

Accessibility/Privacy Policies for all Technology Tools Used

[Accessibility/Privacy Policies for all Technology Tools Used](#)

Student Support

At San Juan College, we are committed to supporting your academic success and overall well-being. We recognize that college life can be challenging and stressful, impacting both learning and personal health. We are here to help you succeed.

Academic Support and Resources

We provide a range of academic support services to help you stay on track on your educational journey. Free resources include tutoring, computer loans, life skills workshops, and so much more. Visit the [Academic Support and Resources](#) webpage to learn more about support and resources available through Academic Advising, the Tutoring Center, the Student Resource Center (formerly Student Achievement Center) and the Testing Center.

Student Support and Resources

If you or someone you know could benefit from counseling, accessibility services, career exploration, veteran transitional assistance, or any of our other support services, visit the [Student Support and Resources](#) webpage where you'll find detailed information about various resources available to you as an SJC student.

We encourage you to take advantage of these free resources to enhance your college experience and ensure your success.

College Policies and Resources for Current Students

The [Student Handbook](#) provides information on student support, student organizations, and student conduct policies at San Juan College.

The San Juan College catalog outlines the [Academic Policies](#) students need to know.

Healthy and Safe Practices for Being on Campus

We want a healthy and safe campus for students, faculty, staff, and guests.

Contagious diseases and your responsibility:

If you have COVID-19 symptoms, fever, flu or even the common cold, you should stay home. Do not come to campus if you are feeling sick. Contact your instructor about missing class (and review your instructor's policies on missed or late work). Being sick does not necessarily excuse you from completing your work on time.

Safety on campus and your responsibility:

If you are on campus and experience or witness an emergency, call 9-1-1 first and then the Department of Public Safety at 505-566-3333 (or just 3333 if calling from a campus phone).

When you are on campus, be aware of your surroundings. If you need an escort to your vehicle, call 505-566-4444 (DPS non-emergency line) or 505-215-3091 (officer on duty line).

The College will send information for campus emergencies through SJC AlertAware, email and the webpage. Stay informed and stay safe.

Inclement Weather Information

Students will receive notification of class delays and cancellations due to inclement weather via the SJC AlertAware and SJC student email. Face-to-face classes will not meet in person; however, students are advised to check with instructors about alternative meeting options, as some may choose to meet via zoom. Hybrid classes will meet as scheduled via zoom. For questions regarding your class delay or cancelation, please contact your instructor.

Online Course Fee

Online Courses - San Juan College requires all online courses to include some form of assessment to demonstrate the mastery of course objectives. This could include exams, capstone projects, e-portfolios, presentations, final papers or other appropriate assessments. The use of a proctoring platform, plagiarism detection software or other method to ensure that assessments are completed by the enrolled student is required.

A course fee of \$5.00 is assessed for all online courses at San Juan College to cover the cost of the above services. Students who are required to take a proctored exam and choose to use a physical testing center outside the SJC Testing Center or SJC Disability Services will be responsible for the cost of using that center.