



## COURSE INFORMATION (WELD 135)

**CRN:** 20804

**Term:** *Spring Semester/2024*

**Instructor:** Renato Sussex

**Email:** [renato.sussex@imperial.edu](mailto:renato.sussex@imperial.edu)

**Credits:** 4.00

**Course Dates & Times:** M & W 6:00 PM-10:15 PM

**Course Dates:** From February 12, 2024 - June 7, 2024

**Building:** 3100 **Classroom:** 3120

### Course Objectives & Description

The purpose of this course is to study SHIELDED METAL ARC WELDING (SMAW). One of the prerequisite classes for the welding technology program. The student will acquire the fundamental skills necessary to practice shielded metal arc welding. Students will improve their knowledge of SMAW by learning about the safety standards in the industry, operating equipment utilized in Shielded Metal Arc Welding, and through class lectures.

### Learning Outcomes

After successfully completing this course you will be able to:

- Arc welding presents dangers of electrical shock, fumes and gases, hot metal, arc rays, and fire. Students will learn how to apply appropriate safety precautions to prevent injury to themselves and preserve the equipment usually used during SMAW.
- Identify and recognize all equipment and tools used during Shielded metal arc welding (SMAW) and the ability to utilize SMAW in real life applications.
- Develop the foundation critical in maintaining proper and safe welding techniques in Shielded Metal Arc Welding on structural steel A- 36 plate.

### Recommended Resources

- Course Details: [IVC Course](#)
- Book: Sixth Edition Welding Fundamentals ISBN: 978-1-64564-693-8

### Equipment and Supplies

Personal protective Equipment (PPE)

- Welding helmet
- Welding and cutting face shield
- Welding Cap
- Welding Gloves
- Leather Work Boots Ear plugs/protection
- Leather jacket or sleeve

## Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.
- Students who stop attending class will be awarded an F letter grade and it is the students' responsibility to drop the course should they decide to stop attending

## Grading Structure

In order to pass this course the student must attend all lectures, actively participate during shop time, and turn in all assignments on time. In addition, the student must finish all assigned readings, homework, quizzes, tests, and evaluations.

Assignment	Percentage %
Homework assignments	25%
Weekly Quizzes	25%
Eval/Exams	25%
Lab/Shop Assignments	25%
Total	100%

### Classroom etiquette:

Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.

Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.

Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.

### Academic Honesty:

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General Catalog for more

information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

### **Communication with Instructor:**

Email: If you need to reach out and communicate with me, please email me or message me on canvas. Please DO NOT email me with questions that are easily found in the syllabus but please DO reach out about personal, academic, and intellectual concerns/questions.

I will do my best to respond to emails within 24 hours

### **Communication with Peers:**

I will make every reasonable attempt to create an atmosphere in which each student feels comfortable voicing their concerns/comments/questions without fear of being personally attacked, mocked, demeaned, or devalued. Any behavior (including harassment, sexual harassment, and racially and/or culturally derogatory language) that threatens this atmosphere will not be tolerated. Please alert me immediately if you feel threatened, dismissed, or silenced at any point during our semester together and/or if your engagement in discussion has been in some way hindered by the learning environment.

### **Additional Resources for Students:**

Imperial Valley College offers a multitude of resources that vary to fit your education needs. We are here to help you succeed so don't hesitate to reach out.

For links or resources you can visit [Student Support](#) or you can reach out to Student

Affairs(<https://www.imperial.edu/student-support/student-affairs/index.html>) for any details regarding social/recreational student activities.

- Blackboard Support Site. The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- Learning Services. There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your Campus Map for the Math Lab; Reading, Writing & Language Labs; and the Study Skills Center.
- Library Services. There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.
- Disabled Student Programs and Services (DSPS) Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.
- Student Counseling and Health Services Students have counseling and health services available, provided by the pre-paid Student Health Fee.
- Student Health Center. A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provides basic health services for students, such as first aid and care for minor illnesses. Contact the IVC Student Health Center at 760-355-6128 in Room 1536 for more information.
- Mental Health Counseling Services. Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC Mental Health Counseling Services at 760-355-6196 in Room 2109 for more information.

- Student Rights and Responsibilities Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC General Catalog.
- Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC Library Department provides numerous Information Literacy Tutorials to assist students in this endeavor.