

Basic Course Information

Semester	Fall 2014	Instructor Name	Oscar Cervantes
Course Title & #	Weld 104	Email	oscar.cervantes@imperial.edu
CRN #	10839	Webpage (optional)	
Room	3111 - 3120	Office	Part-Timers: Room
Class Dates	Aug 18 - Dec 13 2014	Office Hours	n/a for part-time faculty
Class Days	Tuesday / Thursday	Office Phone #	Cell# 760-556-8492
Class Times	Tuesday(6:10pm - 10:15pm)	Office contact if student will be out or emergency	760-355-6262
Units	Thursday(6:30 pm - 8:30pm) 3 units		

Course Description

Emphasis is on advanced Gas Tungsten Arc Welding on carbon steel, and stainless purged pipe. Proper pipe cleaning, preparation, and fitting along with heat input are emphasized throughout the course. Students will be required to demonstrate safe welding equipment setup, pipe welding in a 6G, 5G and 2G fixed position. (CSU)

Student Learning Outcomes

Required language:

1. Describe four major hazards related to GTAW on Pipe and potential abatement of these hazards as they pertain to shop safety, industrial safety, and personal safety. (ILO1, ILO2, ILO3)
2. Explain and safely demonstrate multiple beading and application in GTAW for welding on pipe and tube. (ILO1, ILO2, ILO3)
3. Select the proper welding filler materials for welding on various alloys as specified on the given WPS. (ILO1, ILO2, ILO3)
4. Identify, recognize, and safely apply the essential variables associated with pipe and tube welding using the open root technique per the given WPS. (ILO1, ILO2, ILO3)
5. Reference the appropriate Welding Codes (AWS, API, and/or ASME) to determine the acceptance criteria for the welding of 6 inch schedule 80 carbon steel pipe in the 5 G position and safely complete one joint per given WPS. (ILO1, ILO2, ILO3, ILO4)

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Demonstrate and utilize safety protocols throughout the course.
2. Initiate the set-up of welding equipment while demonstrating safety protocols.
3. Study and comprehend the theory behind Gas Tungsten Arc Welding on pipe.
4. Demonstrate the ability to cut and prepare pipe ends for welding.
5. Demonstrate the ability to weld pipe to x-ray quality.

Textbooks & Other Resources or Links

Modern Welding 11th edition. G-W Publisher. Technical guide. Available in the book store.

Required: yes

FALL CLASS SCHEDULE 2014

FALL SEMESTER 2014

IMPORTANT DATES AND DEADLINES

NOTE: The deadlines below are for full-term classes. Deadlines for short-term classes vary with the length of the class. Most deadlines are mandated in the CA Code of Regulations and are a percentage of the length of the class.

July 7 - 17 Priority registration for new, continuing and re-enrolling students. **Students may register for a maximum of 16 units during the Priority Registration period and add additional units up to 19 units during Open Registration.**

July 17 Registration begins for students concurrently enrolled in grades K-12

August 17 Residency determination date

August 18 Classes begin. Beginning on first day each class meets, add authorization code from instructor required to register for that class, filled or open

August 18 – 30 Late Registration. Beginning on first day each class meets, add authorization code from instructor required to register for that class, filled or open.

*****August 30*** Deadline to register for full-term courses. Deadline to drop full-term classes without owing fees and/or be eligible for refund. Deadline to select P/NP grading option for courses with that option (see section on *Change Grading Options*). Does not pertain to Non-credit Program courses.**

September 1 Deadline to drop without course appearing on transcript (without receiving W). **Note:** fees will be charged and no refunds given for courses dropped on this date. See August 30.

September 1 Holiday – Labor Day. No Classes. (Campus Closed)

September 2 Census

September 2 Ticketing for parking violations in student spaces on main campus begins. Note: tickets are issued for reserved (faculty/staff), disabled, metered, 15-minute, and no-parking spaces year around.

September 8 Financial Aid Enrollment Status Freeze Date

September 26 Deadline to make up incomplete grade (I) granted Spring or Summer 2014

October 23 Financial Aid Return to Title IV drop deadline.

November 1 Deadline to submit *Petition for Graduation* for degree to be awarded Fall 2014. Completed petition must be received in Admissions & Records Office by this date. Students must meet with a Counselor and have an evaluation completed and petition signed before this date.

November 11 Holiday – In Honor of Veterans' Day. No Classes. (Campus Closed)

*****November 8*** Deadline to drop full-term classes**

November 24 – 26 No Classes (Campus Open)

November 27 – 29 Holiday – Thanksgiving. No Classes. (Campus Closed)

December 8 - 13 Last week of classes including final examinations.

December 15 – 19 No Classes. (Campus Open)

December 22 – January 2 Winter Recess. (Campus Closed)

January 6 – February 6 Winter Intersession 2015

Course Requirements and Instructional Methods **METHODS OF INSTRUCTION FOR LEARNING**

Demonstration

Discussion

Group Activity

Individual Assistance

Lab Activity

Lecture

Simulation/Case Study

Audio Visual

Computer Assisted Instruction

Two (2) hours of independent work done out of class per each hour of lecture or class work, or 3 hours lab, practicum, or the equivalent per unit is expected.

All students and faculty Must bring, make use of proper personal protective equipment (PPE) in accordance with OSHA/ANSI regulations.

- 1. Welding helmet**
- 2. Welding and cutting face shield**
- 3. Welding gloves**
- 4. Leather work boots (safety toe)**
- 5. Welding jacket**
- 6. Welding cap**
- 7. Ear plugs**

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

1. **Attendance**: First day of class, regular attendance and withdrawal after exceeding the number of class hours per week.
2. **Tardiness**: Three times equals one absence (I.V.C. Gen. Catalog pg.24) 09-10
3. **Absences**: 3 absences = automatic drop. (I.V.C. Gen. Catalog pg.24) 09-10
4. **Student Conduct** (I.V.C Gen. Catalog pg. 22) 2009-10
5. **Grading System** (I.V.C. General Catalog pg. 17) 2009-10

A = 90% - 100% of points = Excellent

B = 80% - 89% of points = Good

C* = 70% - 79% of points = Satisfactory

D = 60% - 69% of points = Pass, Less than Satisfactory

F = Less than 60% of points = Failing

* Many programs require most or all courses to be completed with a “ C ” grade or better; not an average of “ C.”

6. Overall Regulations (I.V.C General Catalog, pgs. 19-29)

Attendance

Required language

- 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. See General Catalog for details.
- 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.

Classroom Etiquette

Required Information --Discretionary language

This is where an instructor explains his/her policy on these matters. Here is some suggested language:

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor. **Consider**: specifics for your class/program

- 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.
- 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.
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

Required Language

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or 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 School 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.

Additional Help – Discretionary Section and Language

- Blackboard support center:
<http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- Learning Labs: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- 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)

Required Language: 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, if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Required Language: Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Required Language: Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at

http://www.imperial.edu/index.php?option=com_docman **HYPERLINK**

["http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762"](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

Information Literacy

Required Language: Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated Class Schedule / Calendar

Required Information –Discretionary Language and Formatting: The instructor will provide a tentative, provisional overview of the readings, assignments, tests, or other activities for the duration of the course. The faculty may find a table format useful for this purpose.

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 August 19 - 21	Syllabus & Introduction Chapter 1-15-Science of Development	Pages 1-502
Week 2 August 28 - 30	Chapter 1-15 continued Chapter 16 -Biology of Mind	Pages 504-505
Week 3 September 4-6	Paper: Distinguishing myth from science during first 2 years of life.	Due 9-16-2013