Cerritos College Welding Technology

TYPICAL STUDENT LABORATORY ASSIGNMENT SHEET

Notice to Student: It is your responsibility to follow all college rules, procedures, and policies as published in the most recent schedule of classes (hardcopy) or go to (www.cerritos.edu/class-schedule) This includes enrollment, fees, attendance, student conduct, academic fraud, withdrawals, dates, and deadlines etc.

Note: *Students who have a documented disability and are requesting an academic accommodation, are encouraged to contact both the course instructor and Student Accessibility Services (SAS) at extension: 2335 as early as possible in the semester.*

Notice to Student: Welding Program Students are required to pay a laboratory or material fee.
The Welding Department Laboratory and Material fee provides:
A laboratory with the newest and most advanced technology welding machines in the industry, highly qualified and multi-certified Instructors, High Tech Fabrication Equipment, Electricity, Oxygen, Argon, Carbon Dioxide, Propylene, Acetylene, as well as Metals required to complete laboratory projects including: Steel, Aluminum, Stainless Steel, Plate, Sheet, Angle, Channel, and Pipe.
Students are required to purchase their own Personal Protective Equipment (PPE) Example: Clothing, Hat, Boots, Gloves, Safety Glasses etc.
Students are also required to purchase and are responsible for their own Personal Welding Rod Consumption.

Instructor: _____ Ext. _____ Student Name: _____

- It is the student's responsibility to have instructor sign off projects as they are completed
- Each project must be signed off by instructor before proceeding to the next project
- It is the student's responsibility to turn in this contract on the last day of the semester
- This contract sheet will be used to determine each student's final semester grade

Note 1: SLO = Student Learning Outcomes are evaluated by:(1) Unacceptable (3) Acceptable (5) Excellent
Note 2: Students will be asked to complete an SLO survey at the end of the semester.

	1-5 Points	Instructor
1. **SLO 1:** Weld a vertical position 6 pass tee joint project using E7018 arc welding electrodes with an acceptable appearance.		
2. **SLO 2:** Weld a vertical position 6 pass tee joint project using E6010 arc welding electrodes with an acceptable appearance.		
3. **SLO 3:** Weld an overhead position 6 pass tee joint project using E7018 arc welding electrodes with an acceptable appearance.		
4. **SLO 4:** Weld an overhead position 6 pass tee joint project using E6010 arc welding electrodes with an acceptable appearance.		
5. 2 pass Tee Joint, position 3F, with 1/8" E7018, on 3/8 PL		
6. 2 pass Tee Joint, position 3F, with 5/32" E6010 on 3/8 PL		
7. 6 pass Tee Joint, position 4F, with 5/32" E7018 on 3/8 PL		
8. 6 pass Tee Joint, position 4F, with 5/32" E6010 on 3/8 PL		
9. 2G Vee Groove on 3/8" plate with 3/4" root opening, 1/8" E7018		
10. 3G & 4G Vee Groove on 3/8" plate with 1/2" root opening, 1/8" E7018		
11. 3G Vee Groove on 1/2" plate with 5/16" root opening, 1/8" E7018		
12. 4G Vee Groove on 1/2" plate with 5/16" root opening, 1/8" E7018		
13. AWS D1.1 Structural 3G Certification Test Plate with 1/8" E7018		
14. AWS D1.1 Structural 4G Certification Test Plate with 1/8" E7018		
15. Multiple pass Tee Joint, position 3F, with FCAW (NR212) on 3/8 PL		
16. Multiple pass Tee Joint, position 4F, with FCAW (NR212) on 3/8 PL		

REQUIRED SAFETY GEAR, TOOLS AND CLASS SUPPLIES: Safety glasses, arc welding hood with chipping lens, gloves, chipping hammer, wire brush, pliers, tape measure, oxyacetylene cutting goggles, protective clothing (cotton cap, leather jacket or cape sleeves, cotton pants and shirt, and hard leather boots), notebook, pens, and pencils. Recommended reference books: Modern Welding book by Althouse, Turquist and Bowditch, latest edition, American Welding Society D1.1 Structural Steel Welding Code.

Grading System: Welding Projects = 80 points, Participation and Professionalism = 20 points

90 – 100 pts. = A	80 – 89 pts. = B	70 – 79 pts. = C	60 – 69 pts. = D	0 – 59 pts. = F