

Pipe Welding III

Marc Rose
541-917-4581
rosem@linnbenton.edu
Zoom or fcaetime available by appointment

WD4.268 Pipe Welding III
CRN: 42174
Tuesday & Thursday 9-10:50
Number of credits: 4

Prerequisites:

None

Course Materials

- Arc Welding Book
- Inter access

Course Description

Required course for Welding And Fabrication Technology majors; third course in a series of three pipe welding courses. Builds on the knowledge and skills developed in WD 4.266 Pipe Welding Practices I and WD 4.267 Pipe Welding Practices II; allows students additional practice time to further develop and refine pipe welding skills in the 2G, 5G, and 6G positions with Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (TIG), and other welding processes. Students will also gain additional practice in cutting pipe and weld joint preparation, fitting, and welding pipe of various joint types per configurations and welding positions encountered in the Pipe Welding Trades. Importance of good fit-up will be emphasized. Includes technical information lectures in related subjects.

Student Learning Outcomes

Upon successful completion of this course, students will be able to:
Utilize safe work habits. Demonstrate use of industry-standard techniques in the preparation and fit-up of carbon steel pipe and stainless steel pipe. Utilize techniques to counter the effects of the application of heat to pipe weld joint configurations. Employ pipe welding methods and techniques applicable to carbon steel pipe (continued student skill-development practice from prerequisite WD4.267 Pipe Welding Practices II) and stainless steel pipe. Select appropriate filler metal(s) for stainless steel pipe. Demonstrate the ability to correctly use layout skills, tools, equipment, techniques and methodologies used in Pipe Welding Trades for welding carbon steel pipe and stainless steel pipe.

Behavior and Expectations

The instructor is expected to teach and you are expected to learn. In order to prepare you for your working career, we expect you to conduct yourself as you would at a job.

- Be on time and ready to learn.
- Be respectful to EVERYONE in the shop or classroom.
- Follow all safety rules. No exceptions. You will be given lots of safety rules to follow, if you are not understanding the rule, ask for more information.

You are held accountable to the [Student Code of Conduct](#), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct.

Guidelines for communication

Email works best for communication in regards to class. Use CRN in subject line.

Attendance/Tardiness Policy

Log into Moodle at least once per week for baseline attendance.

Testing

Tests and quizzes are all open note.

Grading

50% of final grade will be based on daily engagement and participation during class.

30% will be based on midterm and final

20% will be based on attendance and attitude

- A = 90-100% Excellent Work
- B = 80-89% Good Work
- C = 70-79% Average Work
- D = 60-69% Poor Work
- F = 0-59% Failing Work

Assignments

What are we going to do!??

For the first couple of weeks we will review some of things we have learned and talked about up to this point.

I am working on building “kits” for you all that will help you with practicing hand eye coordination layout.

I will assign homework every week starting week two.

I will send links and videos through Moodle with question sets to follow.

Late Assignment Policy

Assignments will be posted in Moodle with dues dates. I will give you all a week at end of term to get caught up if needed.

College Policies

LBCC Email and Course Communications

You are responsible for all communications sent via Moodle and to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email and your Moodle account through Moodle.

Disability and Access Statement

Use one of three approved syllabus statements located on the [Center for Accessibility Resources Faculty Resources](#) webpage.

Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

Title IX Reporting Policy

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](#) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

Public Safety/Campus Security/Emergency Resources:

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a [public safety app](#) available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.

Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class, through a Moodle Announcement, or through LBCC e-mail.