Advanced Arc Welding, WD4.246

Syllabus

# General Information

## Instructor Information and Availability

Cameren D. Moran

(541) 917-4582

[Moranc@linnbenton.edu](mailto:Moranc@linnbenton.edu)

Moodle

## Course Information

Course name: Advanced Arc Welding

Section number: 02

CRN: 40962

Scheduled time/days: Mondays/ Wednesday 12:00-4:50PM

Tuesday 4:00-5:50

Number of credits: 6

Classroom(s): IA / IA Welding Lab/ Online

### Prerequisites:

Intermediate Arc Welding

## Course Materials

Required:

* View last page for items

## Course Description

# Stresses safety and equipment familiarization with lab exercises for skill development in the fundamentals of electric arc welding SMAW and FCAW processes. It includes technical information lectures in related subjects and preparation for AWS welder's certification.

# Course Outcomes

Upon successful completion of this course, students will be able to:

Use welding machines and related equipment safely. Set up and operate welding machines and related equipment utilized for arc welding processes. Recognize and name the components necessary to operate welding machines and related equipment. Perform welding with commonly used welding consumables in preparation for welder tests. Utilize Code - allowable welding techniques and progressions. Perform welds in the 3G and 4G welding positions. Produce welds in the weld joint configurations utilized for welder qualification/certification tests.

# Class Policies

## Behavior and Expectations

The student is responsible to follow all safety rules and shop procedures and to perform

all tasks in a safe and conscientious manner. This includes wearing the required safety

items (safety glasses, high top hard top boots, etc.) during the lab time.

**NOTE:** The instructor or LBCC Welding Department Staff will verbally warn the

student when required safety items are not being worn in the shop, or when safety

procedures are not being followed. Upon the third verbal warning, the student may be

withdrawn from the course by the instructor.

### Guidelines for communication

Email is best

### Use of cell phones

## You can use your phone this term…..

## Attendance/Tardiness Policy

I will be taking attendance by your usage of Moodle. I can see when you log in and also what you complete so please do not slack off on being “present” for class.

## Testing

Tests and quizzes will be written and or practical throughout the term.

## Grading

This term my grading is going to be different than in the past. Your written, tests, and quizzes will make up all of you grade at this point. We do not know when we can get back into the shop in order to complete practical assignments.

### Late Assignment Policy

Assignments will be accepted late only under prearranged circumstances.

# 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

## LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the [CFAR Website](https://www.linnbenton.edu/cfar) for steps on how to apply for services or call 541-917-4789.

## 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](https://linnbenton-advocate.symplicity.com/public_report/index.php/pid073717?) 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](http://www.linnbenton.edu/public-safety-emergency-planning):

In an emergency, call 911. Also, call LBCC Campus Security/Public Safety at [541-926-6855](tel:(541)%20926-6855) and [541-917-4440](tel:(541)%20917-4440).

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a [public safety app](http://lbccpublicsafety.mobapp.at/landing/Desktop) 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.

# Campus Resources

## Library

# Available through online sources

# 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, or through LBCC e-mail.

**WD4.246 Advanced Arc Welding Course Required**

**Items**

Safety glasses Leather welding gloves

High top boots or shoes (no tennis shoes) Suitable clothing that is nonflammable

Notebook or folder with paper for taking notes Ear plugs (recommended)

Flash light (small) Screw driver (inexpensive)

File Welding Hood (w/extra lenses)

(any tools needed from Basic arc welding and intermediate arc welding should be available for use.)

**These items are suggested you either have or purchase for when you have an opportunity to work or come back into the shops.**

**We are working on how we can send out some tool kits this term to help you with hand eye coordination and “welding” practice.**