

## Moberly Area Community College Common Syllabus

### WLD101 Welding I Current Term

**Instructor:**

**Office number:**

**Office hours:**

**Response time:** I typically respond to student emails within 24 hours, Monday through Friday.

**Contact information:**

**Classroom number:**

**Section number(s):**

**Class days and time:**

**Catalog Description:** WLD 101 Welding I (2-2-3)

This course is an introduction to basic skills necessary to become a welder. Oxy-fuel cutting, GMAW (gas metal arc welding), and SMAW on plaste will be performed in addition to weld symbol interpretation and safety. Time permitting, other processes may be explored. This class utilizes certified American Welding Society (AWS) curriculum.

**Prerequisite/Corequisite:** None.

**Text(s):** None

#### Other Required Materials:

**Purpose of Course:**

This course is designed to provide basic welding skills, use of common metalworking tools, blueprint reading skills, and prepare the student for more advanced studies in welding. The course is a core requirement for both the Welding and Metals and Industrial Technology Associate of Applied Science degrees and One-Year Certificates.

**Course Objectives (CO):**

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

Identify, correct or report safety hazards

1. Use a grinder, drill press and power saw safely/correctly
2. Interpret welding symbols, abbreviations and joint designs
3. Use Oxy-fuel cutting/welding equipment to:
4. Make straight and bevel cuts
5. Make circle cuts
6. Use GMAW welding equipment

## 7. Using FCAW welding equipment

### **Course Content:**

This course consists of lecture, discussion and laboratory exercises. Students will receive a welding competency task list which students should master at their own pace. The instructor is required to validate and evaluate skill mastery at each level. Several exams covering reading assignments and classroom discussions will be administered. Although grades are of importance, competency mastery is the objective of the course.

### **Statement to Connect Course with Institutional Student Level Outcomes:**

In compliance with MACC's Institutional Student Level Outcomes, the student who successfully completes this course will be able to meet the following institutional learning outcomes:

- **Higher Order Thinking:** Students will demonstrate the ability to distinguish among opinions, facts, and inferences; to identify underlying or implicit assumptions; to make informed judgments; to solve problems by applying evaluative standards; and to reflect upon and refine those problem-solving skills. This outcome involves creative thinking, critical thinking, and quantitative literacy.
- **Communication:** Students will demonstrate the ability to communicate effectively through oral, written, or digital channels using the English language or quantitative or other symbolic systems. Students should be able to write and speak with thoughtfulness, clarity, coherence, and persuasiveness; read and listen critically; and select channels appropriate to the audience and message.
- **Managing Information:** Students will demonstrate the ability to discern when there is a need for information; and to identify, locate, evaluate, and effectively and responsibly use and share that information for the problem at hand.

## **EVALUATION OF STUDENT LEARNING**

### **Grade Scale:**

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 59% and below

### **Evaluation:**

(State the way learning outcomes will be measured. They may be measured through, but not limited to, the following: objective and essay questions, papers, quizzes, oral presentations, class participation, small group work, and/or projects.)

### **Description of Assignment(s)/Project(s):**

## **INSTRUCTOR POLICIES**

**Tardiness:**

Per instructor's policy

**Make-up and late work:**

Per instructor's policy

**Extra-credit work:**

Per instructor's policy

**Schedule of Student Assignments/Activities:**

(Instructors will identify a Student Assignment/Activities schedule. Instructors have the prerogative to construct the schedule by class periods, weeks, or an overview of topics to be covered.)

**Other:**

List any other instructor policies

**COLLEGEWIDE POLICIES:**

All faculty and students need to be aware of collegewide policies and procedures. Statements on Academic Dishonesty, ADA, Attendance, Title IX, and other important collegewide policies can be accessed by clicking on the following: [Collegewide Policies in Student Resources](#).