

# Washtenaw Community College Comprehensive Report

## WAF 109 Welding Safety and OSHA Regulations Effective Term: Winter 2021

### Course Cover

**Division:** Advanced Technologies and Public Service Careers  
**Department:** Welding and Fabrication  
**Discipline:** Welding and Fabrication  
**Course Number:** 109  
**Org Number:** 14600  
**Full Course Title:** Welding Safety and OSHA Regulations  
**Transcript Title:** Welding Safety and OSHA  
**Is Consultation with other department(s) required:** No  
**Publish in the Following:** College Catalog , Time Schedule , Web Page  
**Reason for Submission:** Course Change  
**Change Information:**  
    **Course description**  
    **Outcomes/Assessment**  
    **Objectives/Evaluation**

**Rationale:** Currently, the WAF109 course has two course objectives that need to be removed so we can modify the content to better fit the needs of the WAF department. The change will benefit the students as the current model restricts the instructor from being able to elaborate on certain topics within the curriculum at the cost of having to focus on topics the students wont use in general industry.

**Proposed Start Semester:** Fall 2020

**Course Description:** In this course, students are introduced to the rights and responsibilities of an entry-level general industry and construction personnel along with the responsibilities of an employer. Course topics include hazard recognition, abatement, control and prevention. Several OSHA regulations topics will be covered, including welding, machine guarding, power industrial truck operation, personal protection equipment and HAZMAT.

### Course Credit Hours

**Variable hours:** No

**Credits:** 2

**Lecture Hours: Instructor: 30 Student: 30**

**Lab: Instructor: 0 Student: 0**

**Clinical: Instructor: 0 Student: 0**

**Total Contact Hours: Instructor: 30 Student: 30**

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

Audit

**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

### College-Level Reading and Writing

College-level Reading & Writing

### College-Level Math

No Level Required

## **Requisites**

## **General Education**

## **Request Course Transfer**

### **Proposed For:**

Eastern Michigan University  
Ferris State University  
Other : Pennsylvania College of Technology

## **Student Learning Outcomes**

1. Recognize OSHA industry hazards and compliance with OSHA standards.

### **Assessment 1**

Assessment Tool: Outcome-related exam questions  
Assessment Date: Fall 2022  
Assessment Cycle: Every Three Years  
Course section(s)/other population: All  
Number students to be assessed: All  
How the assessment will be scored: Answer key  
Standard of success to be used for this assessment: 80% of students will score 80% or higher.  
Who will score and analyze the data: Departmental faculty

2. Recognize the hazards associated with equipment used in the welding industry and apply safe work practices.

### **Assessment 1**

Assessment Tool: Outcome-related exam questions  
Assessment Date: Fall 2022  
Assessment Cycle: Every Three Years  
Course section(s)/other population: All  
Number students to be assessed: All  
How the assessment will be scored: Answer key  
Standard of success to be used for this assessment: 80% of students will score 80% or higher.  
Who will score and analyze the data: Departmental faculty

### **Assessment 2**

Assessment Tool: Skills checklist  
Assessment Date: Fall 2022  
Assessment Cycle: Every Three Years  
Course section(s)/other population: All  
Number students to be assessed: All  
How the assessment will be scored: Rubric  
Standard of success to be used for this assessment: 80% of students will achieve 100%.  
Who will score and analyze the data: Departmental faculty

## **Course Objectives**

1. Demonstrate operation of Lift Truck equipment.
2. Recognize workers' rights and employers' responsibilities under OSHA regulations.
3. Recognize HAZMAT regulated procedures.
4. Identify welding hazards in industry using the AWS Z49.1 standard.
5. Identify safe work practices in the welding industry.
6. Apply safe work practices utilizing industry standard welding equipment.

## **New Resources for Course**

## Course Textbooks/Resources

Textbooks  
Manuals  
Periodicals  
Software

## Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
<b>Faculty Preparer:</b> <i>Alexander Pazkowski</i>	<i>Faculty Preparer</i>	<i>Aug 04, 2020</i>
<b>Department Chair/Area Director:</b> <i>Alexander Pazkowski</i>	<i>Recommend Approval</i>	<i>Aug 04, 2020</i>
<b>Dean:</b> <i>Jimmie Baber</i>	<i>Recommend Approval</i>	<i>Aug 07, 2020</i>
<b>Curriculum Committee Chair:</b> <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Sep 25, 2020</i>
<b>Assessment Committee Chair:</b> <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Sep 30, 2020</i>
<b>Vice President for Instruction:</b> <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Oct 06, 2020</i>