

# Washtenaw Community College Comprehensive Report

## UAT 238 Methods of Teaching Downhill Welding Effective Term: Spring/Summer 2016

### Course Cover

**Division:** Advanced Technologies and Public Service Careers

**Department:** United Association Department

**Discipline:** United Association Training

**Course Number:** 238

**Org Number:** 28200

**Full Course Title:** Methods of Teaching Downhill Welding

**Transcript Title:** Methods of Teach Downhill Weld

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Web Page

**Reason for Submission:** Course Change

**Change Information:**

**Credit hours**

**Total Contact Hours**

**Rationale:** Adjusting credits per HLC requirements

**Proposed Start Semester:** Spring/Summer 2016

**Course Description:** This course is designed for the welding instructor who will be teaching apprentices and journey workers in the technique of Downhill Welding. The welding instruction will be given on large diameter pipe. Classroom instruction on how and what to teach will be presented. This class will include joint preparation, line up on coupons and hands-on welding. Limited to United Association program participants.

### Course Credit Hours

**Variable hours:** No

**Credits:** 1

**Lecture Hours: Instructor: 15 Student: 15**

**The following Lab fields are not divisible by 15: Student Min, Instructor Min**

**Lab: Instructor: 5 Student: 5**

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

**Total Contact Hours: Instructor: 20 Student: 20**

**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

### Requisites

### General Education

**Degree Attributes**

Below College Level Pre-Reqs

## Request Course Transfer

Proposed For:

## Student Learning Outcomes

1. Explain the methods of teaching downhill welding to apprentices and journeymen at the home local.

### **Assessment 1**

Assessment Tool: Survey of UA training coordinators/supervisors

Assessment Date: Spring/Summer 2009

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: 75% of all students through random sampling who teach the topic the subsequent year, and minimum of 7 students

How the assessment will be scored:

Standard of success to be used for this assessment:

Who will score and analyze the data:

2. Demonstrate techniques for safe downhill welding to apprentices and journeymen.

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How the assessment will be scored:

Standard of success to be used for this assessment:

Who will score and analyze the data:

3. Utilize UA and vendor supplied teaching materials for downhill welding effectively.

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How the assessment will be scored:

Standard of success to be used for this assessment:

Who will score and analyze the data:

## Course Objectives

1. Explain methods of teaching downhill welding.
2. Identify applications using downhill welding.
3. Demonstrate correct procedures for downhill welding equipment setup.
4. Demonstrate safe techniques for downhill welding piping applications.
5. Present UA supplied lecture material.
6. Incorporate vendor supplementary materials.

## New Resources for Course

### Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

## Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
<b>Faculty Preparer:</b> <i>Cristy Lindemann</i>	<i>Faculty Preparer</i>	<i>Jan 31, 2016</i>
<b>Department Chair/Area Director:</b> <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Feb 09, 2016</i>
<b>Dean:</b> <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Mar 10, 2016</i>
<b>Curriculum Committee Chair:</b> <i>Kelley Gottschang</i>	<i>Recommend Approval</i>	<i>Mar 31, 2016</i>
<b>Assessment Committee Chair:</b>		
<b>Vice President for Instruction:</b> <i>Michael Nealon</i>	<i>Approve</i>	<i>Apr 06, 2016</i>