

Washtenaw Community College Comprehensive Report

IWA 201 Introduction to Welding Proposed start term: Fall 2010

Course Cover

Division: Vocational Technologies

Department: United Association Department

Discipline: International Association of Iron Workers

Course Number: 201

Org Number: 19100

Full Course Title: Introduction to Welding

Transcript Title: Introduction to Welding

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: New Course

Change Information:

Rationale: New course in the articulation agreement with the Ironworkers' Local Union No. 25

Proposed Start: Fall 2010

Course Description: This course continues the theory and practice of welding. Students learn Oxy-Acetylene cutting and welding in addition to shielded arc welding. Students receive instruction in welding symbols, details, procedures, codes, qualifications, inspections and FEMA requirements. Related safety is covered. Students are encouraged to take and pass the SMAW certification test. This course is only available for Ironworker apprentices through the Local 25 training center.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 45 **Student:** 45

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

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

Other: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: Student:

Repeatable for Credit: NO

Grading Methods: Letter Grades

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

College-Level Reading and Writing

College-level Reading & Writing

Requisites

Enrollment Restrictions

This course is taught at the Ironworkers 25 training center and is only open to apprentices accepted into a program.

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify shielded metal arc welding (SMAW) equipment.

Assessment 1

Assessment Tool: Training center instructors and contractors (employers) provide paper feedback evaluation forms for apprentice skill performance reviews.

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Apprentice evaluation feedback forms are filled out by the employing contractor and Joint Apprentice Training Committee (JATC) instructor.

Standard of success to be used for this assessment: The standard of success is set by the local Joint Apprentice Training Committee (JATC) in accordance with national and regional standards.

Who will score and analyze the data: The data is analyzed by the Joint Apprentice Training Committee (JATC) as a committee.

2. Demonstrate the ability to safely operate an oxy fuel cutting torch and SMAW equipment while recognizing the objectives of the American Welding Society's SMAW certification exam.

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Course Objectives

1. Objectives and methods of evaluation follow the curriculum set out by the Joint Apprentice Training Committee (JATC).

Methods of Evaluation

Other

Additional Evaluation Information: This course is assessed externally by the local's Joint Apprentice Training Committee (JATC) consisting of industry representatives and Ironworker members. The local receives feedback on needed technical updates and apprentices' skill performance.

Matched Outcomes

1. Identify shielded metal arc welding (SMAW) equipment.
2. Demonstrate the ability to safely operate an oxy fuel cutting torch and SMAW equipment while recognizing the objectives of the American Welding Society's SMAW certification exam.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Other

Equipment/Facilities

Other: Ironworkers Local 25 Training Center