

Washtenaw Community College Comprehensive Report

UAT 239 AWS-CWI Certified Welding Inspector

Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 239

Org Number: 28200

Full Course Title: AWS-CWI Certified Welding Inspector

Transcript Title: AWS-CWI Cert Welding Inspector

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Outcomes/Assessment

Objectives/Evaluation

Rationale: Course update

Proposed Start Semester: Spring/Summer 2014

Course Description: This is an intensive seven day course designed to prepare a candidate to successfully complete the American Welding Society (AWS) Certified Welding Inspector (CWI) Examination. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 60 **Student:** 60

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

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

Total Contact Hours: Instructor: 60 **Student:** 60

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. Recognize and apply the policies and skills required of an American Welding Society's Certified Welding Inspector.

Assessment 1

Assessment Tool: AWS Certification Exam

Assessment Date: Spring/Summer 2014

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: 75% of students will pass the AWS examination.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Explain weld inspection criteria.

Matched Outcomes

2. Identify various welding and cutting operations.

Matched Outcomes

3. Visually inspect and analyze weld joints.

Matched Outcomes

4. Identify various welding procedures.

Matched Outcomes

5. Demonstrate proper use of inspection tools.

Matched Outcomes

6. Demonstrate how to navigate through a code book.

Matched Outcomes

7. Interpret and identify when to apply code requirements.

Matched Outcomes

8. Differentiate between procedure and performance qualification records and requirements.

Matched Outcomes

9. Classify weld profiles and discontinuities as acceptable or unacceptable.

Matched Outcomes

10. Identify welding terminology.

Matched Outcomes

11. Interpret charts from the code book.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Reviewer

Action

Date

Faculty Preparer:

Amanda Scheffler

Faculty Preparer

Feb 02, 2014

Department Chair/Area Director:

Scott Klapper

Recommend Approval

Feb 03, 2014

Dean:

Marilyn Donham

Recommend Approval

Feb 05, 2014

Vice President for Instruction:

Bill Abernethy

Approve

Mar 31, 2014

