

Washtenaw Community College Comprehensive Report

UAT 248 Valves Effective Term: Spring/Summer 2016

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 248

Org Number: 28200

Full Course Title: Valves

Transcript Title: Valves

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: Adjustment of credits hours for HLC requirements

Proposed Start Semester: Spring/Summer 2016

Course Description: This course covers methods of teaching about plumbing and pipefitting valves. Topics to be covered include: valve designs, valve functions, multi-turn valves, check valves, ball valves, butterfly valves and typical valve failures. The material of valve construction and the specifications and standards governing their construction and use will also be discussed. Students taking this course should have a working knowledge of valves. 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 to apprentices and journey-people the central concepts and skills of valves.

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, minimum of 20 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 to apprentices and journey-people the proper installation and maintenance of valves.

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, minimum of 20 students

How the assessment will be scored:

Standard of success to be used for this assessment:

Who will score and analyze the data:

3. Utilize approved industry and UA course/training materials to teach valves.

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, minimum of 20 students

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. Identify the features and limitations of different valves.
2. Recognize various valve designs, functions, and general applications.
3. Recognize the major causes of valve failures.
4. Select appropriate manual valves, materials, and design for various applications.
5. Demonstrate appropriate use and knowledge of course material.

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities

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