

Washtenaw Community College Comprehensive Report

UAT 248 General Valve Repair (UA 5006) Effective Term: Fall 2020

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: General Valve Repair (UA 5006)

Transcript Title: General Valve Repair (UA 5006)

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog

Reason for Submission: Course Change

Change Information:

Consultation with all departments affected by this course is required.

Course title

Course description

Outcomes/Assessment

Objectives/Evaluation

Rationale: Update United Association course

Proposed Start Semester: Fall 2020

Course Description: In this course, students will be introduced to methods for teaching the general valve repair course for the 3-year valve re-certification for apprentices and journey workers at their local Training Center. This course will focus on the standards of the United Association (UA) Quality Valve Repair Manual, as well as the equipment and tools required to teach the course. In addition, students will study the requirements for proctoring the online and practical hands-on Electric Power Research Institute (EPRI) test. The title of this course was previously Valves. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 1.5

The following Lecture Hour fields are not divisible by 15: Student Min ,Instructor Min

Lecture Hours: Instructor: 22.5 Student: 22.5

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

Lab: Instructor: 1.5 Student: 1.5

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 24 Student: 24

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. Identify requirements, content, and procedures needed to proctor an EPRI certification exam.

Assessment 1

Assessment Tool: Outcome-related written exam questions

Assessment Date: Fall 2020

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 the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

2. Demonstrate valve repair using equipment, tools and resources in preparation for the general valve repair exam.

Assessment 1

Assessment Tool: Demonstration

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

3. Prepare and present a five-minute lesson plan of valve repair course material.

Assessment 1

Assessment Tool: Presentation

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Observational checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

Course Objectives

1. Identify the history of valves, their features, and their limitations.
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. Navigate the United Association Online Learning Resource (UAOLR) for resources including the UA Quality Valve Repair Manual.
6. Discuss the requirements for EPRI record keeping.
7. Demonstrate requirements for practical online testing.
8. Conduct a Student Teacher Evaluation (STE) session from a scenario using model and site instructions.
9. Review and discuss UA Blackboard Valve Repair course website for content and resources.
10. Review proctoring requirements for EPRI exam.
11. Develop syllabus and lesson plan for course to be taught at local Training Center.
12. Present a five-minute lesson plan for class for evaluation.

New Resources for Course

Course Textbooks/Resources

Textbooks

International Association of Plumbing and Mechanical Officials. *Valve Repair*, first ed. IAPMO Group, 2007

Manuals

Periodicals

Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Tony Esposito</i>	<i>Faculty Preparer</i>	<i>Apr 30, 2020</i>
Department Chair/Area Director: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>May 07, 2020</i>
Dean: <i>Jimmie Baber</i>	<i>Recommend Approval</i>	<i>May 27, 2020</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Aug 10, 2020</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Aug 25, 2020</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Aug 26, 2020</i>