

Washtenaw Community College Comprehensive Report

UAT 351 Plumbing Codes Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 351

Org Number: 28200

Full Course Title: Plumbing Codes

Transcript Title: Plumbing Codes

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:

Course description

Credit hours

Total Contact Hours

Outcomes/Assessment

Objectives/Evaluation

Rationale: Course update

Proposed Start Semester: Spring/Summer 2014

Course Description: In this course, students learn about methods of teaching the development, technical comparison, interpretation and practical application of model plumbing and mechanical codes. Also included is the history and development of plumbing codes and the development of the two models of plumbing codes in the Plumbing Code Application Manual and related CD. The UA Plumbing Code Manual will be used as the base document. Limited to United Association Instructor Training program graduates.

Course Credit Hours

Variable hours: No

Credits: 1

Lecture Hours: Instructor: 15 Student: 15

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 0 Student: 0

Other: Instructor: 5 Student: 5

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

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Demonstrate methods of teaching the central concepts of the plumbing and mechanical codes utilizing UA approved materials.

Assessment 1

Assessment Tool: Presentation

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: Performance parameters with rubric

Standard of success to be used for this assessment: 75% of students will achieve 75% or above.

Who will score and analyze the data: Departmental faculty

2. Explain how to interpret and apply the plumbing and mechanical codes.

Assessment 1

Assessment Tool: Presentation

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: Performance parameters with rubric

Standard of success to be used for this assessment: 75% of students will achieve 75% or above.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Identify the various plumbing and mechanical codes.

Matched Outcomes

2. Identify the rationales and purposes for each code.

Matched Outcomes

3. Interpret the various codes and the appropriate applications.

Matched Outcomes

4. Demonstrate a teaching description of various plumbing codes their purposes and applications.

Matched Outcomes

5. Use technical comparison of the codes to perform plumbing-related services.

Matched Outcomes

6. Demonstrate appropriate use of course materials when teaching a lesson.

Matched Outcomes

7. Explain the history, development and importance of plumbing codes.

Matched Outcomes

8. Demonstrate methods of teaching how to use the Plumbing Code Application Manual and accompanying CD.

Matched Outcomes

9. Outline the requirements of the UPC (Uniform Plumbing Code) and IPC (International Plumbing Code).

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment / Facilities

Level III classroom
Computer workstations/lab

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Amanda Scheffler</i>	<i>Faculty Preparer</i>	<i>Jun 27, 2013</i>
Department Chair/Area Director: <i>Scott Klapper</i>	<i>Recommend Approval</i>	<i>Feb 03, 2014</i>
Dean: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Feb 05, 2014</i>
Vice President for Instruction: <i>Bill Abernethy</i>	<i>Approve</i>	<i>Apr 28, 2014</i>