

Washtenaw Community College Comprehensive Report

UAT 294 Plumbing Service I Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 294

Org Number: 28200

Full Course Title: Plumbing Service I

Transcript Title: Plumbing Service I

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 title

Credit hours

Total Contact Hours

Outcomes/Assessment

Objectives/Evaluation

Rationale: Course update

Proposed Start Semester: Spring/Summer 2014

Course Description: In this course, students will learn about methods of teaching plumbing service. Topics include the operational, installation, and safety aspects including troubleshooting and repair of fixtures, flush valves, sewer systems, faucets, appliances, and electronics in the plumbing industry. Aspects of customer relations and marketing will be reviewed. This course will address the employer, employee relationships, and standard company policies of the plumbing industry. 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

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify new plumbing services.

Assessment 1

Assessment Tool: Written test

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: 75% of the students will score 75% or higher

Standard of success to be used for this assessment: Answer key

Who will score and analyze the data: Departmental faculty

2. Demonstrate methods of teaching the central concepts and skills of the plumbing service field 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: Departmentally-developed 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

3. Modify the UA Base curriculum into a comprehensive state specific plumbing service curriculum to include code requirements for the local union's plumbing jurisdiction.

Assessment 1

Assessment Tool: Project

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: Departmentally-developed 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 principles of human relations, sales, and marketing.

Matched Outcomes

2. Recognize how to troubleshoot using new fixture technology.

Matched Outcomes

3. Demonstrate how to use drain line video to inspect and locate pipes.

Matched Outcomes

4. Demonstrate how to service backflow preventers, frozen pipes, and water heaters.

Matched Outcomes

5. Demonstrate appropriate use and knowledge of course materials.

Matched Outcomes

6. Develop water closet installation training aids.

Matched Outcomes

7. Demonstrate how to repair and/or replace a cast iron water closet collar.

Matched Outcomes

8. Use training aids to repair and install faucet, tubs and shower valves.

Matched Outcomes

9. Demonstrate tube bending methods.

Matched Outcomes

10. Develop an example formula of how to charge a customer when performing plumbing service work.

Matched Outcomes

11. Demonstrate how to use multiple types of pipe freezing and thawing equipment.

Matched Outcomes

12. Develop training aids for water heater diagnosis, repair and installation methods for students.

Matched Outcomes

13. Identify various flood control systems.

Matched Outcomes

14. Demonstrate communication styles in human relations.

Matched Outcomes

15. Explain the need to address issues such as dress code, head and facial hair, body art/tattoos, posture and eye contact.

Matched Outcomes**New Resources for Course****Course Textbooks/Resources**

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities**Reviewer****Faculty Preparer:**

Amanda Scheffler

Department Chair/Area Director:

Scott Klapper

Dean:

Marilyn Donham

Vice President for Instruction:

Bill Abernethy

Action

Faculty Preparer

Recommend Approval

Recommend Approval

Approve

Date

Feb 02, 2014

Feb 03, 2014

Feb 05, 2014

May 06, 2014