

Washtenaw Community College Comprehensive Report

UAT 243C UA Pipe Trades Trailer Operations Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 243C

Org Number: 28200

Full Course Title: UA Pipe Trades Trailer Operations

Transcript Title: UA Pipe Trades Trailer Oper.

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:

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 and techniques utilized in the site selection, transport, installation of required utilities and equipment operation and maintenance of the UA pipe trades training trailers. The trade trailers are outfitted with the very latest equipment utilized in the plumbing, pipefitting, HVAC and sprinkler fitting industries for the purpose of training apprentices and journey persons of the United Association. 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. Fully set-up the pipe trades trailer on-site.

Assessment 1

Assessment Tool: Skill assessment

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: Skill checklist with rubric

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

Who will score and analyze the data: Departmental faculty

2. Operate all installed equipment/systems and computer/audio visual devices.

Assessment 1

Assessment Tool: Student 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 score 75% or above.

Who will score and analyze the data: Departmental faculty

3. Conduct demonstrations and training sessions using the trades trailer.

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: Skill checklist with rubric

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

Who will score and analyze the data: Departmental faculty

4. Demonstrate teaching practicum using the UA provided training materials provided with the trades trailer.

Assessment 1

Assessment Tool: Demonstration

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 score 75% or above.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Request, schedule and receive trailer through the UA Training Department.

Matched Outcomes

1. Fully set-up the pipe trades trailer on-site.
2. Connect appropriate power and gasses.

Matched Outcomes

1. Fully set-up the pipe trades trailer on-site.
3. Set up and operate equipment at each teaching station.

Matched Outcomes

2. Operate all installed equipment/systems and computer/audio visual devices.
4. Use built-in AV equipment to display related lessons.

Matched Outcomes

2. Operate all installed equipment/systems and computer/audio visual devices.
5. Demonstrate each teaching station on the trailer.

Matched Outcomes

6. Lead students through the basic use of tools in the teaching stations.

Matched Outcomes

7. Demonstrate appropriate use of course materials.

Matched Outcomes

8. Present related lecture material using the on-board stage and audio visual.

Matched Outcomes

9. Reference on-board equipment manuals to ensure that the displays are working properly during demonstrations.

Matched Outcomes

10. Properly tear down trailer according to trailer manuals.

Matched Outcomes

11. Identify safety concerns related to use of the trailer.

Matched Outcomes

12. Identify trailer specifications and limitations.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom
Data projector/computer
Other: Trailer and parking lot

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

Jun 27, 2013

Feb 03, 2014

Feb 05, 2014

Mar 31, 2014