

Washtenaw Community College Comprehensive Report

UAT 255 Fundamentals of Rigging Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 255

Org Number: 28200

Full Course Title: Fundamentals of Rigging

Transcript Title: Fundamentals of Rigging

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 will learn about methods of teaching the basic fundamentals of rigging. Topics to be covered include: rigging safety in basic knots and their uses, wire ropes, web slings, load calculations and their applications in the trades. Also, signaling methods and practical, safe uses in every day installations in the piping industry will be discussed. Limited to United Association program participants.

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

Below College Level Pre-Reqs

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Demonstrate teaching practicum on the central concepts and skills of the fundamentals of rigging 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: Presentation 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. Demonstrate methods of teaching the proper use of rigging and perform load calculations.

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 safe working habits and procedures for rigging.
Matched Outcomes
2. Identify and interpret codes applicable to rigging.
Matched Outcomes
3. Recognize and assess dangerous situations and conditions of potential hazards.
Matched Outcomes
4. Demonstrate how to inspect, use, and maintain rigging equipment.
Matched Outcomes
5. Demonstrate appropriate use and knowledge of course materials.
Matched Outcomes
6. Tie a variety of splices in ropes and explain the uses for each.
Matched Outcomes
7. Demonstrate proper whipping and seizing procedures and applications.
Matched Outcomes
8. Demonstrate how to tie 21 different knots and explain the applications for each.
Matched Outcomes
9. Demonstrate how to calculate the strength of various knots and splices.
Matched Outcomes
10. Classify various equipment and explain how to safely use them.
Matched Outcomes
11. Explain how to calculate sling angle.
Matched Outcomes
12. Calculate equipment strength using specific formulas.
Matched Outcomes
13. Demonstrate proper hand signals.

Matched Outcomes

14. Explain how to calculate weight reductions created by use of block and tackle.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities

Level I classroom

Data projector/computer

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

Apr 21, 2014