

Washtenaw Community College Comprehensive Report

UAT 115 Emerging Safety Technology (UA 2156) Effective Term: Spring/Summer 2018

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 115

Org Number: 28200

Full Course Title: Emerging Safety Technology (UA 2156)

Transcript Title: Emerging Safety Technol (2156)

Is Consultation with other department(s) required: No

Publish in the Following:

Reason for Submission: New Course

Change Information:

Rationale: Instructional planning

Proposed Start Semester: Spring/Summer 2018

Course Description: In this course, students will recognize emerging technological advances in safety equipment being made in the construction industry. Students will interpret the functions, benefits, costs, and proper use of the new wearable technology. 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. Compare and contrast emerging safety technology to current standard practices and critically assess its benefits to the industry.

Assessment 1

Assessment Tool: Teaching demonstration
 Assessment Date: Spring/Summer 2021
 Assessment Cycle: Every Three Years
 Course section(s)/other population: All
 Number students to be assessed: All
 How the assessment will be scored: Observation checklist
 Standard of success to be used for this assessment: 90% of the students will score 100%
 Who will score and analyze the data: U.A. training coordinator

2. Demonstrate the functions of wearable safety devices.

Assessment 1

Assessment Tool: Skills demonstration
 Assessment Date: Spring/Summer 2021
 Assessment Cycle: Every Three Years
 Course section(s)/other population: All
 Number students to be assessed: All
 How the assessment will be scored: Skills demonstration checklist
 Standard of success to be used for this assessment: 90% of the students will score 100%
 Who will score and analyze the data: U.A. training coordinator

Course Objectives

1. Identify legitimate practices and current uses for various safety devices.
2. Perform attachment of Ekso Bionics Outwear to arms and legs.
3. Demonstrate proper use of hardhats and vests that are equipped with various monitoring devices.
4. Identify alarms used with motion sensors as it applies to workplace safety.
5. Recognize and respond to improved workflow scenarios with XOEye Technology.
6. Practice demonstrations and verbal instruction involved with power tool safety technology.

New Resources for Course

Course Textbooks/Resources

Textbooks
 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>Nov 16, 2017</i>
Department Chair/Area Director: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Nov 17, 2017</i>
Dean: <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Dec 27, 2017</i>

Curriculum Committee Chair:

David Wooten

Recommend Approval

Mar 12, 2018

Assessment Committee Chair:

Michelle Garey

Recommend Approval

Mar 28, 2018

Vice President for Instruction:

Kimberly Hurns

Approve

Mar 29, 2018