

## Washtenaw Community College Comprehensive Report

### UAT 169 Mobile Technology (UA 3055) Effective Term: Fall 2020

#### Course Cover

**Division:** Advanced Technologies and Public Service Careers

**Department:** United Association Department

**Discipline:** United Association Training

**Course Number:** 169

**Org Number:** 28200

**Full Course Title:** Mobile Technology (UA 3055)

**Transcript Title:** Mobile Technology (UA 3055)

**Is Consultation with other department(s) required:** No

**Publish in the Following:**

**Reason for Submission:** New Course

**Change Information:**

**Rationale:** New United Association Course

**Proposed Start Semester:** Fall 2020

**Course Description:** In this course, students will examine current mobile technologies and applications that are available for use in the construction industry. Students will explore resources as well as develop and utilize a plan to integrate these technologies into apprenticeship programs at their local Training Centers. In addition, students will present a five-minute lesson plan for class discussion and critique. 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. Demonstrate the basic functions of the mobile hardware platform.

### **Assessment 1**

Assessment Tool: Skills demonstration

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

2. Identify and demonstrate the use of technologies such as Plangrid, Bluebeam, Procore, Autodesk, and eSub.

### **Assessment 1**

Assessment Tool: Skills demonstration

Assessment Date: Fall 2020

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: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

3. Prepare and present a five-minute lesson plan of a discussed technology.

### **Assessment 1**

Assessment Tool: Presentation

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Observational checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. instructors

## **Course Objectives**

1. Discuss and navigate the provided mobile hardware.
2. Demonstrate the basic functions of an iPad.
3. Discuss the implementation of technologies into local programs at students' Training Centers.
4. List functions and limitations of mobile hardware.
5. Navigate the hardware management software and their capabilities.
6. Discuss the operation of Plangrid, Bluebeam, Procore, Autodesk, and eSub.
7. Navigate resources for emerging technologies being developed for future use.
8. Review construction project processes, and identify areas that can benefit from technology.
9. Discuss the benefits, labor savings, and Return on Investment (ROI) of purchasing and utilizing technologies for a construction project.
10. Prepare and present a lesson plan to be used at the student's local Training Center.

**New Resources for Course****Course Textbooks/Resources**

Textbooks  
 Manuals  
 Periodicals  
 Software

**Equipment/Facilities**

<b><u>Reviewer</u></b>	<b><u>Action</u></b>	<b><u>Date</u></b>
<b>Faculty Preparer:</b> <i>Tony Esposito</i>	<i>Faculty Preparer</i>	<i>Jul 14, 2020</i>
<b>Department Chair/Area Director:</b> <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Jul 14, 2020</i>
<b>Dean:</b> <i>Jimmie Baber</i>	<i>Recommend Approval</i>	<i>Jul 14, 2020</i>
<b>Curriculum Committee Chair:</b> <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Jul 15, 2020</i>
<b>Assessment Committee Chair:</b> <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Jul 21, 2020</i>
<b>Vice President for Instruction:</b> <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Jul 28, 2020</i>