

Washtenaw Community College Comprehensive Report

UAS 230 Construction Supervision V: Scheduling and Project Management Effective Term: Fall 2013

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: Union Approved Supervision

Course Number: 230

Org Number: 19100

Full Course Title: Construction Supervision V: Scheduling and Project Management

Transcript Title: Const SuperV:Sched & Proj Mgmt

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: Course Change

Change Information:

Consultation with all departments affected by this course is required.

Course description

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Objectives/Evaluation

Rationale: Course change upon course and program assessment department review

Proposed Start Semester: Fall 2013

Course Description: In this course, students are introduced to the various processes used to develop and manage the schedule of a project. Additionally, students will examine various tools used to assist in schedule development and management. Finally, students will explore the desktop scheduling software Microsoft Project. Limited to active members of articulated union building trade apprenticeship programs.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 45 Student: 45

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 45 Student: 45

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

Prerequisite

Admission to Construction Supervision program
and

Prerequisite

UAS 210 minimum grade "C"

and

Prerequisite

UAS 222 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify various processes involved with schedule development and schedule management.

Assessment 1

Assessment Tool: Item analysis of student responses to multiple choice and true/false questions aligned to course outcomes

Assessment Date: Fall 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: A minimum of two UAS 230 sections within the three-year assessment period

Number students to be assessed: All students from the selected population

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 75% of the students will score 75% or higher on outcome-related questions.

Who will score and analyze the data: Quizzes and tests will be online and scored electronically. The UAS Program Manager will coordinate the assessment, scoring and analysis of data.

2. Develop a construction related schedule in Microsoft (MS) Project.

Assessment 1

Assessment Tool: Construction-related capstone assignment using MS Project

Assessment Date: Fall 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: A minimum of two UAS 230 sections within the three-year assessment period

Number students to be assessed: All students from the selected population

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 better.

Who will score and analyze the data: The UAS 230 instructor will score using the departmentally-developed rubric. The UAS Program Manager will coordinate the assessment, scoring and analysis of data.

Course Objectives

1. Recognize the value of a project schedule.

Matched Outcomes

1. Identify various processes involved with schedule development and schedule management.

2. Identify alternative methods of scheduling construction projects.

Matched Outcomes

1. Identify various processes involved with schedule development and schedule management.

3. Identify the concepts involved with Activity Definition, Activity Sequencing, Activity Resource Estimating, Activity Duration Estimating, Schedule Development and Schedule Control.

Matched Outcomes

1. Identify various processes involved with schedule development and schedule management.

4. Produce a schedule in MS Project using the processes of schedule management.

Matched Outcomes

2. Develop a construction related schedule in Microsoft (MS) Project.

5. Manipulate a schedule using MS Project and the processes of schedule management such as updating completed tasks, revising project durations and tracking Gantt to identify impact and determine corrective action.

Matched Outcomes

2. Develop a construction related schedule in Microsoft (MS) Project.

6. Create reports using MS Project for the Construction Supervisor, Superintendent or Owner.

Matched Outcomes

2. Develop a construction related schedule in Microsoft (MS) Project.

New Resources for Course

Course Textbooks/Resources

Textbooks

Newitt, J. S.. *Construction Scheduling Principles and Practices*, ed. Prentice Hall, 2009

Manuals

Periodicals

Software

Equipment/Facilities

Other: Computer with access to high speed Internet

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Cheryl Byrne</i>	<i>Faculty Preparer</i>	<i>Mar 12, 2013</i>
Department Chair/Area Director: <i>Joy Garrett</i>	<i>Default</i>	<i>Mar 14, 2013</i>
Dean: <i>James Egan</i>	<i>Recommend Approval</i>	<i>Mar 14, 2013</i>
Vice President for Instruction: <i>Bill Abernethy</i>	<i>Approve</i>	<i>Apr 18, 2013</i>