

Program: Construction Management

Date report completed: 5/23/2017

Completed by: Daniel Trujillo (Program Coordinator)

Assessment contributors (other faculty involved in this program’s assessment): Michael Mincic, John Chrisman, Abel Tapia & Ken West

PART I. Program student learning outcomes (SLOs) assessed in this cycle, processes, results, and recommendations for improved student learning.

A. Which of the program SLOs were assessed during this cycle? Please include the outcome(s) verbatim from the assessment plan.	B. When was this SLO last assessed? Please indicate the semester and year.	C. What method was used for assessing the SLO? Please include a copy of any rubrics used in the assessment process.	D. Who was assessed? Please fully describe the student group(s) and the number of students or artifacts involved.	E. What is the expected achievement level and how many or what proportion of students should be at that level?	F. What were the results of the assessment?	G. What were the department’s conclusions about student performance?	H. What changes/improvements to the <u>program</u> are planned based on this assessment?
Student Learning Outcome #2 Student Learning Outcome (SLO) #2 will be addressed multiple times in the 14 required courses (CM or CET prefix) exact courses can be found in	???	Three category rubric assessing: -Knowledge -Performance - Communication With special emphasis int communication and additional course evlautions such as a peer review rubric	9 Seniors submitting a senior project that was the culmination of four years of classes to demonstrate knowledge acquired across the curriculum.	70% of students will achieve level one or two.	100% of the students achieved level one. or two	Students displayed a high degree of competency with 7/9 Students acheiveing superior knowledge, performance and communication.	The instructor plans on highlighting technology by each participant in senior project early in the semester.

<p>the attached curriculum map. Samples of projects (PR) will be collected in CM 475 as per the curriculum map. The project will be evaluated against a specific rubric to judge effectiveness and or competence level during cycle #3. The results will be shared with the CM faculty and key persons at regularly scheduled meetings. Recommendations for change or update, if needed, will be completed in accordance with the process defined in the in this plan.</p>		<p>and an instructor rubric of final project presentation.</p>					
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------	--	--	--	--	--

<p>Student Learning Outcome #6</p> <p>Student Learning Outcome (SLO) #6 will be addressed multiple times in the 14 required courses (CM or CET prefix) exact courses can be found in the attached curriculum map. Samples of case studies (CS) will be collected in CM 461 as per the curriculum map. The project will be evaluated against a specific rubric to judge effectiveness and or competence level during cycle #3. The</p>	<p>Last assessed??</p>	<p>Three category rubric assessing:</p> <ul style="list-style-type: none"> -Knowledge -Performance - Communication <p>With special emphasis int communication and additional course evlautions such as a peer review rubric and an instructor rubric of final project presentation.</p>	<p>10 Students in a construction law class that assesses understandin g of professional and ethical responsibilitie s.</p>	<p>70% of students will achieve level one or two.</p>	<p>100% of the students achieved level one. or two</p>	<p>6/10 Students demonstrated a superior level of knowledge as it relates to SLO#6</p>	<p>Creatinig a module specifcily addressing professional and ethical responsibilities of contractors to highlight what is already interspersed throughout the class.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------	--------------------------------------------------------	----------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>results will be shared with the CM faculty and key persons at regularly scheduled meetings. Recommendations for change or update, if needed, will be completed in accordance with the process defined in the in this plan.</p>							
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--	--

Comments on part I:

During this assessment cycle the instructor evaluated SLO#2 (Select and apply the knowledge of mathematics, science and technology to construction problems.), using the attached rubric. The rubric evaluates student knowledge, performance and communication as superior basic or unacceptable. The students assessed were in CM 475 Senior Project.

The instructor used the final project to assess the use of mathmematics, science and technology in construction problems. Of the 9 students in the course, it was determined that seven students demonstrated superior knowledge performance and communication. Of those nine students, two students were on the margin between basic and superior due to a late switch in scope on their project and failure to present intermediate briefs. Overall the instructor determined that 100% of the students were able to communicate at level 3 superior or 2 basic.

During this assessment cycle the instructor also evaluated SLO#6 (Demonstrate an understanding of professional and ethical responsibilities.), using the attached rubric. The rubric evaluates student knowledge, performance and communication as superior basic or unacceptable. The students assessed were in CM 461 Construction Law.

The instructor used the final grade, reviewed specific questions as they related to ethics in the industry i.e. bid shopping, professional responsibilities. Of the 10 students in the course, it was determined that six students demonstrated superior knowledge performance and communication. four students performed at a basic level for knowledge. Overall the instructor determined that 100% of the students were able to communicate at level 3 superior or 2 basic.

PART II. Follow-up (closing the loop) on results and activities from previous assessment cycles. In this section, please describe actions taken during this 2016-2017 cycle that were based on, or implemented to address, the results of assessment from previous cycles.

A. What SLO(s) did you address? Please include the outcome(s) verbatim from the assessment plan.	B. When was this SLO last assessed? Please indicate the semester and year.	C. What were the recommendations for change from the previous assessment?	D. Were the recommendations for change acted upon? If not, why?	E. What were the results of the changes? If the changes were not effective, what are the next steps or the new recommendations?

Comments on part II:

During the 2015-2016 Feedback comment evaluator #2 had trouble following the sequence in which the SLO's are being assessed. In a review of the plan after the feedback comments it was discovered that academic years are omitted from the evaluation process. The current CM plan shows SLO's #1 and #5 are to be evaluated at the end of Cycle 2 (2014-2015). The next plan is to evaluate SLO #2 and #6 in cycle 4 (2016-2017). Plan simply missed an evaluation cycle for 2015-2016. Therefore SLO #1 and #5 were evaluated for two consecutive years. Since the Construction Management Program is the newest program on the campus, the plan had not yet fully been developed and tested. The CM faculty are now aware of the Plan errors and are crafting changes to the plan scheduled for completion in 2017-2018. The CM program has now appointed a new CM program coordinator who in conjunction with the department chair and faculty has begun to draft a revised plan.