



Academic Program Assessment Report for AY 2017-2018

Program: __Construction Management__

(Due: June 1, 2018)

Date report completed: _____ May 31, 2018__

Completed by: _____ Michael Mincic_____

Assessment contributors (other faculty involved): _____ MD Islam, Kevin Sparks_____

Please describe the 2017-2018 assessment activities and follow-up for your program below. Please complete this form for each undergraduate major, minor, certificate, and graduate program (e.g., B.A., B.S., M.S.) in your department. Please copy any addenda (e.g., rubrics) and paste them in this document, save and submit it to both the Dean of your college/school and to the Assistant Provost as an email attachment before June 1, 2018. You'll also find this form on the assessment website at <https://www.csupueblo.edu/assessment-and-student-learning/resources.html>. Thank you.

I. Assessment of Student Learning Outcomes (SLOs) in this cycle. Including processes, results, and recommendations for improved student learning. Use Column H to describe improvements planned for 2018-2019 based on the assessment process.

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 <u>last</u> assessed? (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? Include the proportion of students meeting proficiency.	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?
Outcome 3- Perform standard tests, organize and interpret test data and apply test results to improve construction	AY 2014/15	<input type="checkbox"/> Observes good lab practice and operates instrumentation with ease <input type="checkbox"/> Determines data that are appropriate to collect and selects	CM 320 Students	-75% will attain 75%	- 100% attained 75%	The results of the data shows that the students are doing a good job in testing, interpreting and communicating results of Soil tests.	No Changes should be made. The strong and rigorous process should continue.

processes.		appropriate equipment, protocols, etc. for measuring the appropriate variables to get required data <input type="checkbox"/> Uses appropriate tools to analyze data and verifies and validates experimental results including the use of statistics to account for possible experimental error					
Outcome 3- Perform standard tests, organize and interpret test data and apply test results to improve construction processes.	AY 2014/15	<input type="checkbox"/> Observes good lab practice and operates instrumentation with ease <input type="checkbox"/> Determines data that are appropriate to collect and selects appropriate equipment, protocols, etc. for measuring the appropriate variables to get required data <input type="checkbox"/> Uses appropriate tools to analyze data and verifies and validates experimental results including the use of statistics	CET 102 Students	75% will attain 75%	84% attained 75%	Since the testing and analysis process in surveying helps to demonstrate the students ability to test, interpret, analyze and approve data the CM department chooses to report these results.	No changes should be made.

Outcome 4- Function effectively as members or leaders on construction teams.	AY 2014/15	<input type="checkbox"/> Recognize participant roles in a team setting <input type="checkbox"/> Integrate input from all team members and makes decision <input type="checkbox"/> Improves communications among teammates and ask for feedback	CM 475 Students 8 campus students	75% will attain 75%	100% attained 75% in technical 100% attained 75% in teamwork	Two evaluation method were used one was from external content experts observing the final results the second was the students self evaluation and instructor evaluation of team work.	NO changes should be done the student performance was outstanding.
---	---------------	--	---	---------------------	---	---	--

Comments on part I:

II. Closing the Loop. Describe at least one data-informed change to your curriculum during the 2017-2018 cycle. These are those 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 to generate the data which informed the change? Please indicate the semester and year.	C. What were the recommendations for change from the previous assessment?	D. How were the recommendations for change acted upon?	E. What were the results of the changes? If the changes were not effective, what are the next steps or the new recommendations?
1 - Apply knowledge, techniques, skills and tools of the construction industry in construction	AY 2014/15	The instructor plans to integrate cost loading and change orders to the baseline schedules for the final project and require a written and or oral explanation of the comparison of pre and post schedule changes.	The faculty in the CET 305 and 304 cost estimating classes as well as the 400 level courses wer directed to raise awareness of the need to be able to react to client change orders in a timely and accurate	In the evluation of theis years senior projects and the delievery of change orders throughout the project was evident. The students were able to react to the changes intelligently and able to explay why and how the changes were made.

activities			manner. Using procedures such as cost loading and technology.	

Comments on part II:

The Construction Management Program during this academic cycle suffered a major set back in the departure of program coordinator Daniel Trujillo. Professor Trujillo left the university at the beginning of the Spring semester leaving a large portion of CM courses begin covered by adjunct faculty. This assessment report continues the plans he had implemented. The CET/CM department continues to recognize the need for the CM graduates have soft skills especially in communicating discipline specific results to clients. This years assessment results have proven that the students are increasing these skills and are able use those skills in projects such as the senior project.