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| POU | 2021 Academic Program Assessment Report | | Program current assessment plan here: | https://www.csupueblo.edu/assessment-and-student-learning/_doc/results-and-reports/2018/assessment-plans/CET-2018-Assessment-Plans/CET-2018-Assessme | | | | |
| PUEBLO | Civil Engineering Technology | | Program prior assessment report here: | | | | | |
| eport Completed By: | Md Islam | | | | | | | |
| Pate Report Completed: | June 1, 2021 | | | | | | | |
| aculty members involved in this ssessment: | Kevin Sparks | | | | | | | |
| Please describe this year's assessment a ertificate, and graduate program in you the reports will be available to the Dear | ur department.) Please also sul n of your college/school and to | omit any addenda such as rul the Executive Director for As | brics which are not available is sessment as well as faculty p | in your assessment plan. peer reviewers. | | | | |
| Brief Statement of Program Mission and Goals: | The Civil Engineering Technology (to so that its graduates are: Prepared to apply established engi and Prepared for successful careers in practice areas including (a) engine technical documentation, and (e) s | neering principles and standards of civil engineering by providing then ering analysis and design, (b) cons | of practice in developing solutions in with the ability to contribute to e truction planning and managemer | to civil engineering problems, | | | | |
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| Assessment of Student Learning O | outcomes (SLOs) in this cycle | Including processes | | | | | | |
| esults, and recommendations for in | nproved student learning. U | se Column H to describe | | | | | | |
| results, and recommendations for in mprovements planned for the year A. Your program SLOs are pasted here verbatim from your assessment plan. Please enter info in columns B-H only for those | nproved student learning. U | se Column H to describe ocess. C. What method was used for assessing the SLO? Please include a copy of any rubrics used in the assessment | D. Who was assessed? Please fully describe the student group(s) and the number of students or artifacts involved (N). | E. What is the expected proficiency 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 program are planned based on this assessment? | |
| results, and recommendations for in improvements planned for the year A. Your program SLOs are pasted here verbatim from your assessment plan. Please enter info in columns B-H only for those assessed during this annual cycle. An ability to select and apply the knowledge, echniques, skills and modern tools of the lissicipline to broadly-defined engineering | B. When was this SLO last reported on prior to this cycle? (semester and year) | se Column H to describe ocess. C. What method was used for assessing the SLO? Please include a copy of any rubrics used | Please fully describe the student group(s) and the number of students or | proficiency level and how many or what proportion of students | of the assessment? (Include the proportion of students meeting proficiency.) | department's conclusions about student | changes/improvements to the program are planned based on this | |
| A. Assessment of Student Learning O results, and recommendations for in mprovements planned for the year A. Your program SLOs are pasted nere verbatim from your assessment plan. Please enter info in columns B-H only for those assessed during this annual cycle. I. An ability to select and apply the knowledge, echniques, skills and modern tools of the liscipline to broadly-defined engineering echnology activities 2. An ability to select and apply a knowledge of mathematics, science, engineering and echnology to engineering technology oroblems that require the application of principles and applied procedures or nethodologies | mproved student learning. Ubased on the assessment pub. B. When was this SLO last reported on prior to this cycle? (semester and year) | c. What method was used for assessing the SLO? Please include a copy of any rubrics used in the assessment process. Exam 2 of CET 404; Open-book, written exam. Rubric is shown in | Please fully describe the student group(s) and the number of students or artifacts involved (N). | proficiency level and how many or what proportion of students should be at that level? 75% students should attain 75% | of the assessment? (Include the proportion of students meeting proficiency.) 80% of 100% of the students completed the learning module. | department's conclusions about student performance? As the target is met, nothing has been done now, but this result will be discussed in the next departmental meeting to find out how to maintain this achievement and how to improve continuously. As the target is met, nothing | changes/improvements to the program are planned based on this assessment? In the next assessment cycle, the improvement trend will be observed and continuous | |

| Utilize principles, hardware, and software that are appropriate to produce drawings, reports, quantity estimates, and other documents related to civil engineering | | | | ent Software in ric is shown in | All students attended the class | 75% students should attain 75% score | 56% attained 75% | As the target is not met, the instructor will be advised by the program chair to revise his lecture content and lecture style. In the next assessment cycle, the improvement trend will be especially observed and possible remedy will be discussed in a program meeting. | In the next assessment cycle, the improvement trend will be observed and continuous improvement will be expected. | | |
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| Conduct standardized field and laboratory tests related to civil engineering | 2017-2018 | | | A field survey CET 102. Rut Table 1. | | n All students attended the class | 75% students should attain 75% score | 82% attained 75%. | As the target is met, nothing has been done now, but this result will be discussed in the next departmental meeting to find out how to maintain this achievement and how to improve continuously. | In the next assessment cycle, the improvement trend will be observed and continuous improvement will be expected. | |
| Comments on part I: | | provement | trend will b | | | t level. In the next assessment ble a revision of the target will be | | | | | |
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| II. Closing the Loop. Describe at least one data-informed change to your curriculum during the year cycle. These are those that were based on, or implemented to address, the results of assessment from previous cycles. | | | | | | | | | | | |
| A. What SLO(s) or other issues did you address in this cycle? Please include SLOs verbatim from the assessment plan, as above. | assessed to generate the data which informed the change? Please indicate the | | | C. What were the recommendations for change from the previous assessment column H and/or feedback? | | 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? | | | | |
| Outcome c (CET Sepcific)- Utilize surveying methods appropriate for land measurement and/or construction layout; | tea inte pos the imp esp | | | teaching meth integrate skill possibly throu the next asse improvement especially ob- possible reme | erved and | Intructor put more effort on the topic to make sure students achieved this SLO. | It is expected to improve on this SLO. The SLO is scheduled to be assessed in the next cycle. | | | | |
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| Comments on part II: | In the next as meeting. | ssessment | cycle, the ii | mprovement tr | end will be espec | ally observed and possible remedy | will be discussed in a program | | | | |
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| Table 1. Grading Rubri | for Different Per | formance Indi | icators Fair | Poor Un | hle | | | | | | |
| Observes good lab practice and operates instrumentati Determines data that are appropriate to collect and sel equipment, protocols, etc. for measuring the appropria eet required data | ects appropriate | 100% | 75% 75% | 50% 0 | - | | | | | | |
| Uses appropriate tools to analyze data and verifies and experimental results including the use of statistics to all possible experimental error | | 100% | 75% | 50% 0 | 6 | | | | | | |
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