| 2021 Academic Program Assessment Report | | Program current assessment plan here: | https://www.csupueblo.edu/assessment-and-student-learning/_doc/2019/assessment-plans/engineering-bse-bsise-assessment-plan-2019.pdf |
| **Engineering Mechatronics** | | Program prior assessment report here: | https://www.csupueblo.edu/assessment-and-student-learning/_doc/2020/report/bse-bsie-assessment-report-2020.pdf |

Report Completed By:	Jude DePalma
Date Report Completed:	6/12/2021
Faculty members involved in this Assessment:	

Please describe this year's assessment activities and follow-up for your program below. (Separate sheet for each undergraduate major, stand-alone minor, certificate, and graduate program in your department.) Please also submit any addenda such as rubrics which are not available in your assessment plan. The reports will be available to the Dean of your college/school and to the Executive Director for Assessment as well as faculty peer reviewers.

| Brief Statement of Program Mission and Goals: | |

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 the year based on the assessment process.

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.	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.	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?
3. an ability to communicate effectively with a range of audiences	Never in this specific form. We revised our SLOs to match new ABET SLOs. The new SLO 3 includes old SLOs (g)	We reviewed the assessment of this SLO from individual classes.	All students in each of the classes were assessed, using specific assignments in each class.	The level differed by class. For example 80% of students achieve a score of 80%.	The goal was met. 100% of the students were proficient	N/A	None
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions	Never in this specific form. We revised our SLOs to match new ABET SLOs. The new SLO 6 includes old SLOs (b)	We reviewed the assessment of this SLO from individual classes.	All students in each of the classes were assessed, using specific assignments in each class.	The level differed by class. For example 80% of students achieve a score of 80%.	See below	N/A	See below

| Comments on part I: | This assessment which is also done for the Accrediting Board for Engineering and Tecnology covers three years. The outcome was not met for Outcome 6 for the Spring of 2018 for EN 420. Corrective action for the class was to give preparatory exercises and a preparatory exam including the design of a model using ARENA and its integration with the output analysis. Also the outcome was not met for EN 443 for the Spring of 2020 semester. The instructor felt that it was not met because of the switch to remote learning and the distractions of the COVID-19. The instructor felt that no changes would be needed, assuming that the next time the class is taught it would be face-to-face and without the pandemic issue. |

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.	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 column H and/or feedback?	D. How were the recommendations for change acted upon?	E. What were the results of the changes? If changes were not effective, what are the next steps or the new recommendations?

Comments on part II:	This year we continued to focus on revisions of our assessment plan to bring our student outcomes into alignment with the new ABET outcomes. Also as mentioned in part I above the outcomes were not met for EN 420 for the Spring 2018 semester. Corrective action for the class was to give preparatory exercises and a preparatory exam including the design of a model using ARENA and its integration with the output analysis. In subsequent years the outcome was met.									