



Academic Program Assessment Report for AY 2019-2020

(Due: June 1, 2020)

Program: Engineering (BSE & BSIE)

Date report completed: June 12, 2020

Completed by: Jude DePalma

Assessment contributors (other faculty involved): _____

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 2019-2020 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> 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 <u>program</u> 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	NA	None.

6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement 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	NA	See below
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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 2019-2020 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 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 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?

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.