

ASSESSMENT REPORT
SEMESTER FALL 2020
CHEG 4033 Process Control
ROY G. PERRY COLLEGE OF ENGINEERING
CHEMICAL ENGINEERING DEPARTMENT

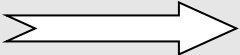
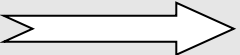
Dr. Jorge Gabitto
PROFESSOR

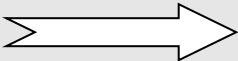
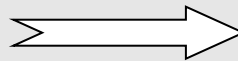
ABET expects assessment on a regular cycle in each program, using a process that is effective and sustainable. According to the ABET assessment plan prepared by the Chemical Engineering Program Assessment committee and approved by the faculty body and with approval of the Head of Department, the subject course is not due for assessment in Fall 2020 semester. Full course binder assessment will be submitted at the designated point in the assessment cycle, as per the plan. However, to help collect assessment data a summary assessment table for this course section is provided.

END OF SEMESTER COURSE OUTCOME ASSESSMENT REPORT
CHEG4033-001 Process Control
Fall 2020 SEMESTER

Report Prepared by: Dr. Jorge Gabitto

Report Date: December 20, 2020

Semester	Analysis Type	Number of Students	Outcome 1 An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.			Outcome 7 Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice		
			Expected Average	Class Average	% Students Meeting Expected Average	Expected Average	Class Average	% Students Meeting Expected Average
Fall 2020	Direct	32	75	87.0	81.3	75	81.7	78.2
Fall 2019	Direct	41	75	91.6	96.9	75	85.8	84.4
Fall 2018	Direct	27	75	85.2	88.9	75	78.1	63.0
Implementation Summary			Class discussion about problem solving techniques. Strong emphasis on procedures discussed in class. Informal problems given that concentrated on solving techniques.			Class discussion about computer techniques and use of spread-sheets. Strong emphasis on procedures discussed in class.		
Perceived Problems			Students could not conceptualize, identify the physical laws, and analyze problems that are different from an example problem they have seen before. The availability of a tutor will help. Tutoring on advance math could also help. Computer learning assignments helped to produce some improvement.			Students were not familiar with use of MatLab and appropriate computer software. Computer learning assignments helped to produce some improvement.		

Plans for Addressing Problems		The instructor should: 1. The instructor reduce the time spent on giving notes on the board by making copies of notes for students, it is recommended that this be continued in subsequent semesters. 2. Need to continue providing tutoring assistance to interested students. 3. More problem sections to be offered.	The instructor should: 1. The instructor introduced new examples in class. 2. Need to provide tutoring assistance to interested students.
Overall Trend over Periods		Students' performance was consistently above average. There was slight decrease compared to previous semesters. Continue same procedures.	Students' performance was above average. However, there was a decrease in performance with respect to previous semesters. Need more work on improvement plan.