

1.	Title of the course	Applied Process Engineering-III
2.	Course number	CH315G
3.	Structure of credits (L-T-P-C)	0-0-0-1
4.	New course/modification to	Modified with CH305G/APPLIED PROCESS ENGINEERING-III
5.	To be offered by	Chemical Engineering
6.	Proposed by	Shamik Misra
7.	Prerequisite	None
8.	Course Objective(s): To design process equipment and controllers using the concepts introduced in the previous semester.	
9.	Course Content: Perform phase and reaction equilibrium calculations, select and design reactors and incorporate process instrumentation and controllers for the given design problem.	
10.	Textbook(s): 1. Sinnott R K and Towler G, Coulson and Richardson's Chemical Engineering: Chemical Engineering Design, Volume 6, 3rd Edition, Butterworth-Heinemann (2015).	
11.	Reference(s): 1. Green D W and Southard M Z, Perry's Chemical Engineers' Handbook, 9th Edition, McGraw Hill (2018). 2. Sinnott R K and Towler G, Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design, 2nd Edition, Butterworth-Heinemann (2012).	