

1.	Title of the course	Applied Process Engineering-II
2.	Course number	CH207G
3.	Status of the course	Core
4.	Structure of credits	- - -1
5.	Offered to	UG
6.	New course/modification to	Modification To CH2250/12
7.	To be offered by	Department of Chemical Engineering
8.	To take effect from	January 2021
9.	Prerequisite	Nil
10.	Whether approved by the Department	Yes
11.	Course Objective(s): To design units of the overall process using the appropriate tools introduced in the current semester.	
12.	Course Content: Perform thermodynamic analysis, phase and reaction equilibrium calculations and design the heat transfer equipment for the assigned process flow sheet and design problem .	
13.	Textbook(s): 1. Sinnott R K and Towler G, <i>Coulson and Richardson's Chemical Engineering: Chemical Engineering Design, Volume 6</i> , 3rd Edition, Butterworth-Heinemann (2015).	
14.	Reference(s): 1. Green D W and Southard M Z, <i>Perry's Chemical Engineers' Handbook</i> , 9th Edition, McGraw Hill (2018). 2. Sinnott R K and Towler G, <i>Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design</i> , 2nd Edition, Butterworth-Heinemann (2012).	