

UG	Department: Chemical Engineering
Course Code: CHP318	Course Name: Process Engineering and Plant Design Lab
Credit: 2	L-T-P: 0-0-3
Version: 1	Approved on:
Prerequisite Course: Nil	
1 st to 2 nd Week	Literature Survey (History of the product, consumption, and production pattern, different methods of manufacturing alongwith their relative merits and demerits and choice of the process)
3 rd Week	Preparation of flowsheet
4 th to 6 th week	Material and energy balance calculations
7 th to 9 th week	Detailed process design of minimum three equipments (preferably one from each area, heat transfer, mass transfer, and reaction engineering)
10 th to 11 th Week	Cost estimation and profitability analysis
12 th to 14 th week	Report submission and presentation including all the above aspects