

**CHE (258)472                      Chemical engineering plant design and economics****3(3/3-0/0)****Prerequisite                      CHE (258)403****Course Description**

Introduction, Design and development of production process, General design consideration, Cost estimation, Cash flow, interest and annuity, Depreciation, Profitability and alternative investments, Optimun economic design, Production planning, Linear programming, Application of PERT/CPM and Project...?

**Objective**

Students will be able to understand design of production processes, planning and production control as well as industrial economics.

**Course Content****Laboratory Hours**

1. Introduction	2
2. Design and development of production process	6
3. General design consideration	3
4. Cost estimation	7
5. Cash flow, interest and annuity	3
6. Depreciation	2
7. Profitability and alternative investments	2
8. Optimun economic design	5
9. Production planning	2
10. Linear programming	8
11. Application of PERT/CPM	7
12. Project...?	3
Total	45