

IC (209)301 Industrial Process Chemistry 3(3/3-0/0)

Abbreviation IND PROC CHEM

Prerequisite CHEM 104 and CHEM 108

This course is opened for CORE COURSE

Course Description

Water treatment for utilising in plants and wastewater treatment, manufacturing processes of organic and inorganic acids, alkaline, sodium chloride, soap and detergent, fertiliser, sugar, cement, pulp and paper, pigment and paint, edible oil, alcohol and processes in food industries.

Objective

Students will be able to understand basic processes of chemical industries.

Course Content

Lecture Hours

1. Introduction	2
2. Water treatment for utilising in plants and wastewater treatment	5
3. Manufacturing process of organic and inorganic acids	3
4. Manufacturing process of alkaline	3
5. Manufacturing process of sodium chloride	3
6. Manufacturing process of soap and detergent	3
7. Manufacturing process of fertiliser	3
8. Manufacturing process of sugar	3
9. Manufacturing process of cement	4
10. Manufacturing process of pulp and paper	3
11. Manufacturing process of pigment and paint	3
12. Manufacturing process of edible oil	3
13. Manufacturing process of alcohol	4
14. Processes in food industries	3

Total 45
