Department of Industrial Chemistry

Faculty of Science

IC (209)302 **Industrial Process Chemistry Laboratory** 1(0/0-1/3)

Abbreviation IND PROC CHEM LAB

Prerequisite IC 301 or concurrent to IC 301

This course is opened for CORE COURSE

Course Description

Water treatment for utilising in plants, manufacturing processes of inorganic acid, soda ash, caustic soda, sodium chloride, soap and detergent, fertiliser, sugar clarifying process, manufacturing processes of cement, pulp, pigment, edible oil, ethanol fermentation and manufacturing process of instant milk.

Objective

Students will be experienced with experiments in basic processes of chemical industries.

Laboratory Topics		Laboratory hours
1. Water treatment for utilising in plants		3
2. Manufacturing process of inorganic acid		3
3. Manufacturing process of soda ash		3
4. Manufacturing process of caustic soda		3
5. Manufacturing process of sodium chloride		3
6. Manufacturing process of soap and detergent		3
7. Manufacturing process of fertiliser		3
8. Sugar clarifying process		3
9. Manufacturing process of cement		6
10. Manufacturing process of pulp		3
11. Manufacturing process of pigment		3
12. Manufacturing process of edible oil		3
13. Ethanol fermentation		3
14. Manufacturing process of instant milk		3
	Total	45