

d.General and Transferable Skills: :

- 1 - Collaborate effectively within multidisciplinary team.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Overview of all Petroleum Refining Processes	4	2	2
Crude Oil Classifications	4	2	2
Crude Oil Composition	2	1	1
Physico-chemical Characteristics of Crude Oil and Products	2	1	1
Atmospheric Distillation Process	2	1	1
Introduction to Petroleum Refining Engineering	2	1	1
Vacuum Distillation Process	2	1	1
Thermal Cracking Process	2	1	1
Catalytic Cracking Process	2	1	1
Catalytic Reforming Process	2	1	1
Catalytic Hydrotreating Process	2	1	1
Catalytic Hydrocracking Process	2	1	1
Alkylation and Isomerization Process	2	1	1

Teaching And Learning Methodologies :

Interactive Lecturing

Discussion

Research

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	10.00		Course understanding
Final exam	40.00	14	Comprehensive understanding of the Course
Midterm Exam	25.00		Course understanding
Quizzes	25.00		Course understanding

Recommended books :

Wilbur Lundine Nelson, Petroleum Refinery Engineering, McGraw-Hill.