

Course Type	Course Code	Name of Course	L	T	P	Credit
DP5	PEC304	Petroleum Production Engineering Lab	0	0	2	2

Course Objectives:

On hand training to test the properties of petroleum and petroleum products as per standard practices.

Learning Outcomes:

Ability to design and develop the compatible additives to the produced oil.

COURSE CONTENT:

Exp. No.	Name of the Experiment	Contact Hrs
1.	Demulsification for separation of oil-water emulsion	2
2.	Operation of continuous distillation column	2
3.	Calibration of pressure gauge by dead-weight tester	2
4.	Stability analysis of offshore platform using metacentric height apparatus	2
5.	Process control for unit operations	2
6.	Screening analysis for gravel packing using sieve analyzer	2
7.	Study of Centrifugal pump Characteristics and to determine; Power Input, Shaft Output, Discharge, Total Head, Pump Output, Overall Efficiency and Pump Efficiency	2
8.	Studies of pour point depression by pour point depressant	2
9.	Determination of terminal velocity at different proppant loading	2
10.	Cleaning characteristics of different fracturing fluids	