

Branch Code: PE1
M.Tech. in PETROLEUM ENGINEERING
2020 Batch

Semester 1

S.No	Course No	Course Name	L	T	E	P	O	C
1	PE6030	Reservoir Engineering	3	0	0	0	6	9
2	PE6050	Oil and Gas Exploration	3	0	0	0	6	9
3	PE6180	Natural Gas Engineering	3	1	0	0	6	10
4	DPE1	Department Elective 1	3	0	0	0	6	9
5	DPE2	Department Elective 2	3	0	0	0	6	9
		Total Credits :						46

Semester 2

S.No	Course No	Course Name	L	T	E	P	O	C
1	PE6031	Reservoir Simulation	3	0	0	0	6	9
2	PE6040	Seismic data acquisition, Processing and Interpretation	3	0	0	0	6	9
3	PE6312	Enhanced Oil Recovery	3	0	0	0	6	9
4	DPE3	Department Elective 3	3	0	0	0	6	9
5	DPE4	Department Elective 4	3	0	0	0	6	9
6	DPE5	Department Elective 5	3	0	0	0	6	9
		Total Credits :						54

Semester 3

S.No	Course No	Course Name	L	T	E	P	O	C
1	PE6200\$	Project *	0	0	0	0	40	40
		Total Credits :						40

** Project (PE6200) grade will be assigned in 4th semester*

Semester 4

S.No	Course No	Course Name	L	T	E	P	O	C
1	PE6200&	Project	0	0	0	0	60	60
		Total Credits :						60

Semester	I	II	III	IV	Total
Credits	46	54	40	60	200

LIST OF DEPARTMENT ELECTIVES

List of Electives for Semester I and II	
FOUR Electives (DPE1, DPE2, DPE3& DP4) need to be selected from this basket	
PE6090	HSE Management in Petroleum & Offshore Engg
PE6060	Offshore Oil and Gas Production Systems
PE6317	Applied Hydrodynamics in Petroleum Exploration and Production
PE6313	Applied Scientific Computing in Ocean and Petroleum Engineering
PE6010	Petroleum Geology
OE5450	Numerical Techniques in Ocean Hydrodynamics
PE6320	Sub Sea Engineering for Oil and Gas Fields
PE6314	Drilling Fluid Design and Analysis
PE5020	Environmental Impacts of Petroleum Exploration and Production
PE6311	Well logging and formation evaluation
OE6020	Meshfree methods applied to hydrodynamics
OE5650	Marine Corrosion Engineering
AM5530	Advanced Fluid Mechanics
ME6000	Computational Methods in Engineering
OE5012	Deep Sea Technology
PE5030	Artificial Lift Technologies for Oil and Gas Production