

Course Structure of Department of Petroleum Engineering, DUIET,

Dibrugarh

(For the Batch admitted in 2022 onwards)

3RD SEMESTER

Subject	Code	Credit Structure			Total Credit	Contact hours
		L	T	P		
Mathematics- III	PE-1301	3	1	0	4	4
Mechanical Engineering	PE-1302	3	0	0	3	3
Geology of Petroleum	PE-1303	3	0	0	3	3
Drilling Engineering-I	PE-1304	3	0	0	3	3
Chemistry of Petroleum and Petroleum Refining	PE-1305	3	0	0	3	3
Mechanical Engineering Lab	PE-L-1306	0	0	1	1	2
Geology of Petroleum Lab	PE-L-1307	0	0	1	1	2
Internship-I (Social & Rural Internship)	MC-301	0	0	0	3	0
Indian Knowledge system (Audit Course)	MC-302	0	0	0	0	0
	Total	18	1	2	21	20

4TH SEMESTER

Subject	Code	Credit Structure			Total Credit	Contact hours
		L	T	P		
Numerical Methods	PE-1401	2	1	0	3	3
Sedimentary & Petroleum Geology	PE-1402	3	0	0	3	3
Production Engineering-I	PE-1403	3	0	0	3	3
Reservoir Engineering-I	PE-1404	2	1	0	3	3
Instrumentation and Control system	PE-1405	3	0	0	3	3
Technical English	PE-1406	2	0	0	2	2
Petroleum Product Testing Lab	PE-L-1407	0	0	1	1	2
Reservoir Engineering Lab	PE-L-1408	0	0	1	1	2
	Total	15	2	2	19	21

5TH SEMESTER

Subject		Code	Credit Structure			Total Credit	Contact hours
			L	T	P		
Managerial Economics		PE-1501	2	1	0	3	3
Production Engineering-II		PE-1502	2	1	0	3	3
Reservoir Engineering-II		PE-1503	2	1	0	3	3
Reservoir Modeling and Simulation		PE-1504	3	0	0	3	3
Core Elective-I	Drilling Engineering-II	PE-CElv.-1505(1)	2	1	0	3	3
	Well Control Systems	PE-CElv.-1505(2)					
Enhanced Oil Recovery(Open Elective-I)		PE-OElv.-1506	3	0	0	3	3
Core Elective-II	Petrochemicals	PE-CElv.-1507(1)	3	0	0	3	3
	Unit Operations	PE-CElv.-1507(2)					
Production Engineering Lab		PE-L-1508	0	0	1	1	2
Drilling Fluid Lab		PE-L-1509	0	0	1	1	2
Chemistry of Petroleum Lab		PE-L-1510	0	0	1	1	2
Internship II (Academic Internship)		MC-501	0	0	0	4	0
Constitution of India(Audit Course)		MC-502	0	0	0	0	0
Total			17	4	3	28	27

6TH SEMESTER

Subject		Code	Credit Structure			Total Credit	Contact hours
			L	T	P		
Management & Accountancy		PE-1601	3	1	0	4	4
Reservoir Engineering aspects of Water flooding (Open Elective-II)		PE-OElv.-1602	3	0	0	3	3
Core Elective-III	Oil and Gas Well Testing	PE-CElv.-1603(1)	3	0	0	3	3
	Well stimulation	PE-CElv.-1603(2)					
Core Elective-IV	Petroleum Exploration-I	PE-CElv.-1604(1)	3	0	0	3	3
	Principles of surveying and remote sensing	PE-CElv.-1604(2)					
Drilling Engineering –III		PE-1605	3	0	0	3	3
Natural Gas Engineering (Open Elective-III)		PE-OElv.-1606	3	1	0	4	4
Transportation and Marketing of Petroleum and Petroleum Products		PE-1607	2	1	0	3	3
EOR Lab		PE-L-1608	0	0	1	1	2
Total			20	3	1	24	25

7TH SEMESTER

Subject		Code	Credit Structure			Total Credit	Contact hours
			L	T	P		
Petroleum Exploration-II (Open Elective-IV)		PE-OElv.-1701	3	0	0	3	3
Core Elective -V	Core Analysis	PE-CElv.-1702(1)	3	0	0	3	3
	Gas Hydrates	PE-CElv.-1702(2)					
Offshore operations		PE-1703	3	1	0	3	3
Project-I		PE-1704	4	0	0	4	4
Internship III (Industrial Training)		MC-701	3	0	0	4	3
Total			19	1	0	17	20

Course Curriculum of Petroleum Engg. Dept., DUJET, DU

8th SEMESTER

Subject		Code	Credit Structure			Total Credit	Contact hours
			L	T	P		
Open Elective-V	(1)Energy Scenario in India	PE-OElv.- 1801(1)					
	(2)Use of digital Technology in Petroleum Exploration & production	PE-OElv.- 1801(2)	3	0	0	3	3
Health, Safety, Security and Environment in Petroleum Industry		PE-1802	3	0	0	3	3
Core Elective - VI	(1) Coal Bed Methane	PE-CElv.- 1803(1)	3	0	0	3	3
	(2) Shale Gas	PE-CElv.- 1803(2)					
Project-II		PE-1804	0	0	0	4	4
<i>Composite Viva- Voice</i>		PE-1805	0	0	0	2	2
Total			10	0	0	15	15

NOTE: Experts from industry and reputed institute may be invited time to time to deliver lecture on various courses.
