

List of Courses for the Program

(Semester wise)

Semester 1

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	Cat	Cont act hrs
1.	PBPE101	Petroleum Exploration	4	4	0	0	PC	4
2.	PBPE102	Drilling Technology	4	4	0	0	PC	4
3.	PBPE103	Formation Evaluation & Well Logging	4	4	0	0	PC	4
4.	PBPE104	Reservoir Engineering	4	4	0	0	PC	4
5.	PBPE105	HSE & Hazards Concern in Petroleum Industry	4	4	0	0	PC	4
6.	PBMT101	Applied Mathematics for Petroleum Engineering	4	4	0	0	BS	4
7.	PBPE108	Reservoir Engineering Practical	1	0	0	2	PC	2
8.	PBPE109	Subsurface Maps for Exploration & Exploitation	1	0	0	2	PC	2
TOTAL			26	24	0	4		28

L – Lecture

T – Tutorial

P – Practical / Laboratory

C - Credit

HS – Humanitarian Science

BS – Basic Science

ES – Engineering Science

PC – Professional Core

PE – Professional Elective

EEC – Employment enhancement Course

Semester: II

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	Cat	Contact hrs
1	PBPE201	Production Technology	4	4	0	0	PC	4
2	PBPE202	Well Design & Completion	4	4	0	0	PC	4
3	PBPE203	Reservoir Modeling & Simulation	4	4	0	0	PC	4
4	PBPE204	Petroleum Economics	4	4	0	0	PC	4
5	PBPE205	Drilling & Completion Fluid Design & Analysis	4	3	1	0	PC	4
6	PBPA206	Unconventional Oil & Gas Resources	4	4	0	0	PC	4
7	PBPE2PA	Drilling Fluids Lab	1	0	0	2	PC	2
8	MPE2PB	Production Engineering Lab	1	0	0	2	PC	2
TOTAL			26	23	1	4		28

Semester: III

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	Cat	Contact hrs
1.	PBPE301	Well Testing	4	4	0	0	PC	4
2.	PBPE302	Well Stimulation & Well Services	4	4	0	0	PC	4
3.	PBPE303	Enhanced oil Recovery	4	4	0	0	PC	4
4.	PBPE304	Natural Gas Engineering	4	4	0	0	PC	4
5.	PBPE305	Field Development Strategy	4	4	0	0	PC	4
6.	PBPE306	Oil & Gas Project Management	4	4	0	0	PC	4
7.	PBPE3PA	Petroleum Testing Lab	1	0	0	2	PC	2
TOTAL			25	24	0	2		26

Semester: IV

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	Cat	Contact hrs
1	PBPE4PA	Project / Project Presentation & Viva	10	-	-	30	EEC	30
TOTAL			10	0	0	30		30

List of Courses for the Program

(Category wise)

Basic Sciences

S. No	Course Code	Course Title	C	L	T	P	Category	Contact Hours
1	PBMT101	Applied Mathematics for Petroleum Engineering	4	4	0	0	BS	4

Professional Core

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	Cat	Contact hrs
1	PBPE101	Petroleum Exploration	4	4	0	0	PC	4
2	PBPE102	Drilling Technology	4	4	0	0	PC	4
3	PBPE103	Formation Evaluation & Well Logging	4	4	0	0	PC	4
4	PBPE104	Reservoir Engineering	4	4	0	0	PC	4
5	PBPE105	HSE & Hazards Concern in Petroleum Industry	4	4	0	0	PC	4
6	PBPE108	Reservoir Engineering Practical	1	0	0	2	PC	2
7	PBPE109	Subsurface Maps for Exploration & Exploitation	1	0	0	2	PC	2
8	PBPE201	Production Technology	4	4	0	0	PC	4
9	PBPE202	Well Design & Completion	4	4	0	0	PC	4

10	PBPE203	Reservoir Modeling & Simulation	4	4	0	0	PC	4
11	PBPE204	Petroleum Economics	4	4	0	0	PC	4
12	PBPE205	Drilling & Completion Fluid Design & Analysis	4	3	1	0	PC	4
13	PBPE206	Unconventional Oil & Gas Resources	4	4	0	0	PC	4
14	PBPE2P A	Drilling Fluids Lab	1	0	0	2	PC	2
15	PBPE2PB	Production Engineering Lab	1	0	0	2	PC	2
16	PBPE301	Well Testing	4	4	0	0	PC	4
17	PBPE302	Well Stimulation & Well Services	4	4	0	0	PC	4
18	PBPE303	Enhanced oil Recovery	4	4	0	0	PC	4
19.	PBPE304	Natural Gas Engineering	4	4	0	0	PC	4
20.	PBPE305	Field Development Strategy	4	4	0	0	PC	4
21.	PBPE306	Oil & Gas Project Management	4	4	0	0	PC	4
22.	PBPE3PA	Petroleum Testing Lab	1	0	0	2	PC	2

Empolymnt Enhancement Courses

S. No	Course Code	Course Title	C	L	T	P	Category	Contact Hours
1	PBPE4PA	Proiect /Presentation & Viva	10	0	0	30	EEC	30