

List of Courses for the Program

(Semester wise)

Semester I

S.No	SUB CODE	SUBJECT TITLE	C	L	T	P	Category	Contact hrs
1	DPE101	Communication English – I	4	4	0	0	HS	4
2	DPE109	Basic Computer	4	4	0	0	ES	4
3	DPE103	Engineering Chemistry	4	4	0	0	BS	4
4	DPE104	Engineering Mathematics – I	5	5	0	0	BS	5
5	DPE106	Engineering Graphics – I	2	0	0	4	ES	4
6	DPE207	Workshop Practices - I	2	0	0	4	BS	4
7	DPE108	Engineering Chemistry Lab – I	1	0	0	2	BS	2
8	DPE210	Basic Computer Lab- I	1	0	0	2	ES	2
9		Aptitude Test	-	-	-	1	-	1
		TOTAL	23	17	0	13		30

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	Category	Contact hrs
1	DPE201	Communication English – II	4	4	0	0	HS	4
2	DPE202	Engineering Physics	4	4	0	0	BS	4
3	DBMCC 01	Engineering Mechanics	4	4	0	0	ES	4
4	DPE105	Engineering Mathematics II	5	5	0	0	BS	5
5	DBMCC PB	Engineering Graphics – II	2	0	0	4	ES	4
6	DBWSC PA	Workshop Practice – II	2	0	0	4	ES	4
7	DPE208	Engineering Physics Lab	1	0	0	2	BS	2
8		Aptitude Test	-	-	-	3		3
		TOTAL	22	17	0	13		30

Semester III

S.No	SUB CODE	SUBJECT TITLE	C	L	T	P	Category	Contact hrs
1	DPE204	Applied Mathematics	5	5	0	0	BS	5
2	DBEEC01	Basic Electrical & Electronics Engineering	4	4	0	0	ES	4
3	DAPE 301	Principles of Petroleum Engineering	4	4	0	0	PC	4
4	DAPE 302	Petroleum Geoscience	4	4	0	0	PC	4
	DAPE 303	Fluid Mechanics for Petroleum Engineering	4	4	0	0	PC	4
6	DAPE3 PA	Geology Practical	1	0	0	2	PC	2
7	DAPE3 PB	Petroleum Testing Lab	1	0	0	2	PC	2
8	DAPE3 PC	Fluid Mechanics Lab	1	0	0	2	PC	2
9		Seminar & Placement Training	-	-	-	3	EEC	3
		TOTAL	24	21	-	9		30

Semester-IV

S.No	SUB CODE	SUBJECT TITLE	C	L	T	P	Category	Contact hrs
1	DAPE 401	Drilling Operations	4	4	1	0	PC	5
2	DAPE 402	Drilling Fluids & Cementation	4	4	1	0	PC	5
3	DAPE 403	Fundamentals of Reservoir Engineering	4	3	1	0	PC	4
4	DAPE 404	Well Logging Techniques	4	4	1	0	PC	5
5	DAPE 405	Heat & Mass Transfer	4	3	1	0	PC	4
6	DAPE4 PA	Drilling Fluid Lab	1	0	0	2	PC	2
7	DAPE4 PB	Hydraulic Calculations	1	0	0	2	PC	2
8		Aptitude & Placement Training	-	-	-	3	EEC	3
		TOTAL	22	18	5	7		30

Semester-V

S.No	SUB CODE	SUBJECT TITLE	C	L	T	P	Category	Contact hrs
1	DAPE 501	Well Design& Completions	4	4	1	0	PC	5
2	DAPE 502	Production equipments& operations	4	4	1	0	PC	5
3	DAPE 503	Well Control Methods	4	3	1	0	PC	4
4	DAPE 504	Well Services	4	3	1	0	PC	4
5	DAPE 505	Petroleum Refining	4	4	0	0	PC	4
6	DAPE5 PA	Production Calculations – Practical	1	0	0	2	PC	2
7	DAPE5 PB	Well Control Practical	1	0	0	2	PC	2
8	DAPE5 PC	Production Engineering Lab	1	0	0	2	PC	2
9		Aptitude & Placement Training	-	-	-	2	EEC	2
		TOTAL	23	18	4	8		30

Semester-VI

S.No	SUB CODE	SUBJECT TITLE	C	L	T	P	Category	Contact hrs
1	DAPE 601	Drilling Techniques	4	4	1	0	PC	5
2	DAPE 602	Production Techniques	4	4	1	0	PC	5
3	DAPE 603	Work over operations	4	3	1	0	PC	4
4	DAPE 604	Offshore Structures	4	4	0	0	PC	4
5	DAPE 605	HSE & Hazards in Petroleum industry	4	4	0	0	PC	4
6	DAPE6 PA	Mini Project	3	0	0	6	EEC	6
7		Presentation Skills	-	-	-	2	EEC	2
		TOTAL	23	17	3	8		30

List of Courses for the Program

(Category wise)

Humanitarian Science

S. No	Course Code	Course Title	C	L	T	P	Category	Contact Hours
1	DPE101	Communication English-I	4	4	0	0	HS	4
2	DPE201	Communication English-II	4	4	0	0	HS	4

Basic Sciences

S. No	Course Code	Course Title	C	L	T	P	Category	Contact Hours
1	DPE104	Engineering Mathematics-I	5	5	0	0	BS	5
2	DPE103	Engineering Chemistry	4	4	0	0	BS	4
3	DPE207	Engineering Practices laboratory	2	0	0	4	BS	4
4	DPE108	Engineering Chemistry laboratory	1	0	0	2	BS	2
5	DPE105	Engineering Mathematics-II	5	5	0	0	BS	5
6	DPE202	Engineering Physics-II	4	4	0	0	BS	4
7	DPE208	Engineering Physics laboratory	1	0	0	2	BS	2
8	DPE204	Applied Mathematics	5	5	0	0	BS	5

Engineering Science

S. No	Course Code	Course Title	C	L	T	P	Category	Contact Hours
1	DPE106	Engineering Graphics	2	0	0	4	ES	4
2	DPE109	Basic Computer	4	4	0	0	ES	4
3	DPE210	Fundamentals of Computer Programming laboratory	1	0	0	2	ES	2
4	DBMCC201	Engineering Mechanics	4	4	0	0	ES	4
5	DPE206	Engineering Graphics-II	2	0	0	4	ES	4
6	DBEEC01	Basics Electrical & Electronics Engineering	4	4	0	0	ES	4

Professional Core

S. No	Course Code	Course Title	C	L	T	P	Category	Contact hours
1	DAPE 301	Principles of Petroleum Engineering	4	4	0	0	PC	4
2	DAPE 302	Petroleum Geoscience	4	4	0	0	PC	4
3	DAPE 303	Fluid Mechanics for Petroleum Engineering	4	4	0	0	PC	4
4	DAPE3 PA	Geology Practical	1	0	0	2	PC	2
5	DAPE3 PB	Petroleum Testing Lab	1	0	0	2	PC	2
6	DAPE3 PC	Fluid Mechanics Lab	1	0	0	2	PC	2
7	DAPE 401	Drilling Operations	4	4	1	0	PC	5
8	DAPE 402	Drilling Fluids & Cementation	4	4	1	0	PC	5
9	DAPE 403	Fundamentals of Reservoir Engineering	4	3	1	0	PC	4
10	DAPE 404	Well Logging Techniques	4	4	1	0	PC	5
11	DAPE 405	Heat & Mass Transfer	4	3	1	0	PC	4
12	DAPE4 PA	Drilling Fluid Lab	1	0	0	2	PC	2
13	DAPE4 PB	Hydraulic Calculations	1	0	0	2	PC	2
14	DAPE 501	Well Design& Completions	4	4	1	0	PC	5
15	DAPE 502	Production equipments& operations	4	4	1	0	PC	5
16	DAPE 503	Well Control Methods	4	3	1	0	PC	4
17	DAPE 504	Well Services	4	3	1	0	PC	4

18	DAPE 505	Petroleum Refining	4	4	0	0	PC	4
19	DAPE5 PA	Production Calculations – Practical	1	0	0	2	PC	2
20	DAPE5 PB	Well Control Practical	1	0	0	2	PC	2
21	DAPE5 PC	Production Engineering Lab	1	0	0	2	PC	2
22	DAPE 601	Drilling Techniques	4	3	1	0	PC	4
23	DAPE 602	Production Techniques	4	3	1	0	PC	4
24	DAPE 603	Work over operations	4	3	1	0	PC	4
25	DAPE 604	Offshore Structures	4	4	0	0	PC	4
26	DAPE 605	HSE & Hazards in Petroleum industry	4	4	0	0	PC	4

Employment Enhancement Courses

S. No	Course Code	Course Title	C	L	T	P	Category	Contact Hours
1	DAPE6 PA	Mini Project	3	0	0	6	EEC	6