



AMET

ACADEMY OF MARITIME EDUCATION AND TRAINING
(Declared as Deemed to be **UNIVERSITY** u/s 3 of UGC Act 1956)

Curriculum

Course Name: B.E PETROLEUM ENGINEERING

(With Effect from the Academic year 2015 - 2016)

Semester: I

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	LE101	ENGLISH - I	2	2	0	0	100
2	SS101	SOFT SKILLS - I	4	4	0	0	100
3	PT110	PT - 1	1	1	0	0	100
4	MH101	ENGINEERING MATHEMATICS – I	4	4	0	0	100
5	PHE101	ENGINEERING PHYSICS – I	3	3	0	0	100
6	IT1503	COMPUTER BASICS & UTILITIES	3	3	0	0	100
7	BE101	BASIC ELECTRICAL ENGINEERING	3	3	0	0	100
8	BM1011	MATERIAL SCIENCE	3	3	0	0	100
9	GE1502	ENGINEERING GRAPHICS LAB	1	0	0	2	100
10	BE102	ELECTRICAL ENGINEERING LAB	1	0	0	2	100
11	WS101	WORKSHOP PRACTICAL	2	0	0	3	100
TOTAL: <u>30 Periods/week</u>							

Note: C – Credit L – Lecture T – Tutorial P – Practical M – Marks

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Semester: II

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	LE201	ENGLISH – II	2	2	0	0	100
2	SS201	SOFT SKILLS - II	4	4	0	0	100
3	MH201	ENGINEERING MATHEMATICS - II	4	4	0	0	100
4	PHE201	ENGINEERING PHYSICS - II	3	3	0	0	100
5	PE204	ENGINEERING CHEMISTRY	3	3	0	0	100
6	IT1504	COMPUTER PROGRAMMING & LANGUAGE	3	2	0	0	100
7	GE1001	ENGINEERING MECHANICS	4	3	0	0	100
8	PPHE101	PHYSICS LAB	1	0	0	2	100
9	PE207	CHEMISTRY LAB	1	0	0	2	100
10	IT1505	COMPUTER PROGRAMMING LAB	1	0	0	2	100
11	WS201	WORKSHOP LAB	2	0	0	3	100
			TOTAL: <u>30 Periods/week</u>				

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Semester: III

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	SS301	SOFT SKILLS - III	4	4	0	0	100
2	MH301	ENGINEERING MATHEMATICS III	4	4	0	0	100
3	BE301	ELECTRONICS & INSTRUMENTATION	3	3	1	0	100
4	PE301	PRINCIPLES OF PETROLEUM ENGINEERING	3	3	1	0	100
5	PE302	PETROLEUM GEOLOGY	3	3	1	0	100
6	PE303	FLUID MECHANICS	3	4	0	0	100
7	BE302	ELECTRONICS & INSTRUMENTATION LAB	3	0	0	2	100
8	PE304	PETROLEUM GEOLOGY LAB	1	0	0	2	100
9	PE305	FLUID MECHANICS LAB	1	0	0	2	100
			TOTAL: <u>30 Periods/week</u>				

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Semester: IV

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	SS401	SOFT SKILLS - IV	4	4	0	0	100
2	PE401	DRILLING TECHNOLOGY	4	4	0	0	100
3	PE402	RESERVOIR ENGINEERING - I	4	4	0	0	100
4	PE403	FORMATION EVALUATION & WELL LOGGING	4	4	0	0	100
5	PE404	THERMODYNAMIC PROPERTIES OF RESERVOIR FLUIDS	4	4	0	0	100
6	PEE405	DEPARTMENT ELECTIVE-I	3	3	0	0	100
7	PE406	RESERVOIR ENGINEERING PRACTICAL	1	0	0	2	100
8	PE407	DRILLING FLUIDS PRACTICAL	1	0	0	2	100
9	PE408	FORMATION EVALUATION PRACTICAL	1	0	0	2	100
10	PE409	LIBRARY	0	0	0	1	100
			TOTAL: <u>30 Periods/week</u>				

DEPARTMENT ELECTIVE SUBJECT							
A	PETROLEUM GEOPHYSICS						
B	DATA INTERPRETATION TECHNIQUES						

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Semester: V

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	PE501	RESERVOIR ENGINEERING-II	4	4	0	0	100
2	PE502	PRODUCTION OPERATIONS & EQUIPMENTS	4	4	0	0	100
3	PE503	HEAT & MASS TRANSFER	4	4	0	0	100
4	MH401	LINEAR & NUMERICAL PROGRAMMING	4	4	0	0	100
5	PEE504	DEPARTMENT ELECTIVE-II	3	3	0	0	100
6	PEE505	OPEN ELECTIVE-III	3	3	0	0	100
7	PE506	PRODUCTION ENGINEERING LAB	1	0	0	2	100
8	PE507	HEAT & MASS TRANSFER LAB	1	0	0	2	100
9	PE508	SEMINAR/PRESENTATION	0	0	0	4	100
TOTAL:			<u>30 Periods/week</u>				

DEPARTMENT ELECTIVE SUBJECT							
A	OFFSHORE STRUCTURES & DESIGN						
B	NATURAL GAS ENGINEERING						

OPEN ELECTIVE SUBJECT							
A	PETROLEIFEROUS BASINS OF INDIA						

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Semester: VI

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	PE601	ENHANCED OIL RECOVERY	4	4	0	0	100
2	PE602	WELL TESTING	4	4	0	0	100
3	PE603	WELL DESIGN & COMPLETION	4	4	0	0	100
4	ES201	ENVIRONMENTAL STUDIES	2	3	1	0	100
5	PEE604	DEPARTMENT ELECTIVE-IV	3	3	0	0	100
6	PEE605	OPEN ELECTIVE-V	3	3	0	0	100
7	PE606	STCW	3	2 WEEKS			100
8	PE607	PETROLEUM TESTING LAB	1	0	0	2	100
9	PE608	DESIGN - ARTIFICIAL LIFT	1	0	0	2	100
10	PE609	SEMINAR/PRESENTATION	0	0	0	4	100
TOTAL:			30 Periods/week				

DEPARTMENT ELECTIVE SUBJECT							
A	UNCONVENTIONAL OIL & GAS RESOURCE						
B	PETROLEUM HAZARDS & RISK MANAGEMENT						

OPEN ELECTIVE SUBJECT							
A	RENEWABLE ENERGY RESOURCES						

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Semester: VII

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	PE701	PETROLEUM ECONOMICS	4	4	0	0	100
2	PE702	PRODUCTION CHEMICALS & OIL FIELD CHEMISTRY	4	4	0	0	100
3	PE703	WELL STIMULATION & WELL SERVICES	4	4	0	0	100
4	PE704	FIELD DEVELOPMENT	4	4	0	0	100
5	PE705	OFFSHORE DRILLING & PRODUCTION TECHNOLOGY	3	3	0	0	100
6	PEE706	DEPARTMENT ELECTIVE-VI	3	3	0	0	100
7	PE707	MINI PROJECT	6	0	0	8	100
			TOTAL: <u>30 Periods/week</u>				

DEPARTMENT ELECTIVE SUBJECT							
A	HYDROCARBON PROCESSING & PLANT ENGINEERING						
B	PETROCHEMICAL & REFINERY ENGINEERING						

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Semester: VIII

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M	
1	PE801	OIL & GAS PROJECT MANAGEMENT	3	3	0	0	100	
2	PE802	ORGANISATIONAL BEHAVIOUR	3	3	0	0	100	
3	PE803	PROJECT/ PROJECT PRESENTATION AND VIVA	12	0	0	24	300	
TOTAL: <u>30 Periods/week</u>								

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