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

Curriculum

Course Name: M.Tech PETROLEUM ENGINEERING

(With Effect from the Academic year 2015 - 2016)

Semester: I

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	MPE101	PETROLEUM EXPLORATION	3	3	0	0	100
2	MPE102	DRILLING TECHNOLOGY	4	4	0	0	100
3	MPE103	FORMATION EVALUATION & WELL LOGGING	4	4	0	0	100
4	MPE104	RESERVOIR ENGINEERING	4	4	0	0	100
5	MPE105	HSE & HAZARDS CONCERN IN PETROLEUM INDUSTRY	4	4	0	0	100
6	MPEE106	**DEPARTMENT ELECTIVE- I**	3	3	0	0	100
7	MPE107	RESERVOIR ENGINEERING PRACTICAL	1	0	0	2	100
8	MPE108	SUBSURFACE MAPS FOR EXPLORATION & EXPLOITATION	1	0	0	2	100
9	MPE109	SEMINAR	0	0	0	4	100
						TOTAL:	**30 Periods/week**

DEPARTMENT ELECTIVE SUBJECT						
A	UNCONVENTIONAL OIL & GAS RESOURCES					
B	HYDRAULIC FRACTURING TECHNIQUES					

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	MPE201	PRODUCTION TECHNOLOGY	4	4	0	0	100
2	MPE202	WELL DESIGN & COMPLETION	4	4	0	0	100
3	MPE203	RESERVOIR MODELING & SIMULATION	4	4	0	0	100
4	MPE204	PETROLEUM ECONOMICS	4	4	0	0	100
5	MPEE205	**DEPARTMENT ELECTIVE - II**	3	3	0	0	100
6	MMH101	NUMERICAL& STATISTICAL METHODS	4	4	0	0	100
7	MPE206	DRILLING FLUIDS LAB	1	0	0	2	100
8	MPE207	PRODUCTION ENGINEERING LAB	1	0	0	2	100
9	MPE208	SEMINAR	0	0	0	3	100
						TOTAL:	**30 Periods/week**

DEPARTMENT ELECTIVE SUBJECT						
A	OFFSHORE TECHNOLOGY					
B	DRILLING & COMPLETION FLUID DESIGN & ANALSIS					

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Semester: III

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	MPE301	WELL TESTING	4	4	0	0	100
2	MPE302	WELL STIMULATION & WELL SERVICES	4	4	0	0	100
3	MPE303	ENHANCED OIL RECOVERY	4	4	0	0	100
4	MPE304	NATURAL GAS ENGINEERING	4	4	0	0	100
5	MPEE305	**DEPARTMENT ELECTIVE - III**	3	3	0	0	100
6	MPEE306	**OPEN ELECTIVE - IV**	3	3	0	0	100
7	MPE307	PETROLEUM TESTING LAB	1	0	0	2	100
8	MPE308	MINI PROJECT	3	0	0	6	100
						TOTAL:	**30 Periods/week**

DEPARTMENT ELECTIVE SUBJECT						
A	FIELD DEVELOPMENT STRATERGY					
B	OIL & GAS PROJECT MANAGEMENT					

OPEN ELECTIVE SUBJECT						
A	GLOBAL PETROLIFEROUS BASIN					

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Course Name: M.Tech PETROLEUM ENGINEERING

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Semester: IV

S. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	MPE401	PROJECT/ PROJECT PRESENTATION & VIVA	15	0	0	30	400
TOTAL: 30 Periods/week							

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

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