

School Name: School of Engineering
Department Name : Civil Engineering
Programme Name: M. Tech in Energy and Environmental Engineering
Scheme: 2015-2017

SEMESTER I

S.No	Course Code	Course Title	L	T	P	C
1	MAT502	Advance Numerical & Statistical Methods	3	1	0	4
2	ENE512	Renewable Energy Technology	3	0	0	3
3	ENE513	Physico-chemical, Biological Principles and Processes	4	0	0	4
4	ENE514	Environmental Quality Monitoring	2	0	0	2
5	ENE515	Energy Auditing, Conservation & Management	3	0	0	3
6	ENE551	Renewable Energy Technology Lab	0	0	2	1
7	ENE552	Environmental Quality Monitoring Lab	0	0	4	2
		Total Credits				19

SEMESTER II

S.No	Course Code	Course Title	L	T	P	C
1	ENE521	Energy, Instrumentation, Measurement & Control	2	0	2	3
2	ENE522	Environmental Audit & Impact Assessment	3	0	0	3
3	ENE523	Design of Water & Wastewater Treatment Systems	2	0	4	4
4	ENE524	Air Pollution & Its Control	3	0	0	3
5		Elective-I	3	0	0	3
6		Elective-II	3	0	0	3
7	GUC501	Seminar	-	-	-	1

SEMESTER III

S.No	Course Code	Course Title	L	T	P	C
1		Elective-III	3	0	0	3
2		Elective-IV	3	0	0	3
3		Elective-V	3	0	0	3
4	ENG584P	Professional and Communication Skills	0	0	4	2
5	ENE633	Comprehensive Examination	-	-	-	2
6	ENE698	Research Project (Phase I)	-	-	-	4
		Total Credits				17

SEMESTER IV

S.No	Course Code	Course Title	L	T	P	C
1	ENE699	Research Project (Phase II)	-	-	-	16

LIST OF PROGRAM ELECTIVES

S.No.	Course Code	Course Title	L	T	P	C
1	ENE532	Wind Energy Technologies	3	0	0	3
2	ENE533	Small Hydro-power Systems	3	0	0	3
3	ENE534	Solar Energy Technologies	3	0	0	3
4	ENE536	Hydrogen & Fuel Cells	3	0	0	3
5	ENE537	Nuclear Power Engineering	3	0	0	3
6	ENE539	Power Plant Engineering	3	0	0	3
7	ENE562	Solid Waste management	3	0	0	3
8	ENE591	Energy, Environment Climate Change	3	0	0	3
9	ENE592	Energy in Built Environment	3	0	0	3
10	ENE677	Bio-Energy Technologies	3	0	0	3
11	ENE679	Energy Efficient Buildings	3	0	0	3
12	ENE682	Clean Development Mechanism & Green Technologies	3	0	0	3
13	ENE683	Environmental Ecology	3	0	0	3
14	ENE684	Design of Water Supply Treatment and Treatment Systems	3	0	0	3
15	ENE685	Emerging Trends in Waste Treatment	3	0	0	3