

DEPARTMENT OF CIVIL ENGINEERING

M. Tech. (Environmental Engineering)

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1st YEAR					Semester- I (Autumn)									
1.	CEN-501	Environmental Modeling and Simulation	PCC	4	3	1	2/2	3	-	15-30	20	15-25	30-40	-
2.	CEN-502	Environmental Separation Processes	PCC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
3.	CEN-503	Wastewater Treatment	PCC	4	3	1		3	-	20-35	-	20-30	40-50	-
4.	CEN-504	Environmental Chemistry	PCC	5	3	1	2	3	-	10-25	25	15-25	30-40	-
5.	CEN-505	Statistics and Instrumentation for Environmental Engineers	PCC	4	3	1	1	3	-	15-30	20	15-25	30-40	-
		Total		21	15	5	3							
					Semester-II (Spring)									
1.	CEN-700	Seminar	SEM	2	0	0	2	-	-	-	-	-	100	-
2.		Programme Elective-I	PEC	4										
3.		Programme Elective-II	PEC	4										
4.		Programme Elective-III	PEC	4										
5.		Programme Elective-IV	PEC	4										
		Total		18										
2nd YEAR					Semester- I (Autumn)									
1.	CEN-701A	Dissertation Stage-I (to be continued next semester)	DIS	12	-	-	-	-	-	-	-	-	100	-
		Total		12										
					Semester-II (Spring)									
1.	CEN-701B	Dissertation Stage-II (contd. From III semester)	DIS	18	-	-	-	-	-	-	-	-	100	-
		Total		18										
		Total Credits		69										

Note: Students can take 1 or 2 audit courses as advised by the supervisor, if required.

Program Elective Courses (Environmental Engg.)

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1st YEAR					Semester- I (Autumn)									
1.	CEN-601	Air Pollution and Control	PEC	4	3	1	2/2	3	-	15-30	20	15-25	30-40	-
2.	CEN-602	Water Quality Management	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
3.	CEN-603	Industrial and Hazardous Waste Management	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
4.	CEN-604	Environmental Impact and Risk Assessment	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
5.	CEN-605	Solid Waste Management	PEC	4	3	1	2/2	3	-	15-30	20	15-25	30-40	-
6.	CEN-606	Environmental Remediation of Contaminated Sites	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
7.	CEN-535	Ground Water Engg.	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
8.	CEN-614	Theory and Applications of GIS	PEC	4	3	-	2	3	-	10-25	25	15-25	30-40	-
9.	CEN-633	Systems Engineering	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
10.	CEN-638	Climate Change and its Impact on Water Resources	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
11.	NTN-562	Environmental Nanotechnology	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-
12.	CEN-639	Transportation Data Analysis Techniques	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-