

**DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Program Code: **16** **M. Tech. (Environmental Engineering)**
 Department: **CE** **Civil Engineering**
 Year: **II**

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
Semester- I (Autumn)														
1.	CEN-701A	Dissertation Stage-I (to be continued next semester)	DIS	12	-	-	-	-	-	-	-	-	100	-
		Total		12										
Note: Students can take 1 or 2 audit courses as advised by the supervisor, if required.														
Semester-II (Spring)														
1.	CEN-701B	Dissertation Stage-II (contd. From III semester)	DIS	18	-	-	-	-	-	-	-	-	100	-
		Total		18										

Summary				
Semester	1	2	3	4
Semester-wise Total Credits	21	18	12	18
Total Credits	69			

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
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.	NTN-562	Environmental Nanotechnology	PEC	4	3	1	-	3	-	20-35	-	20-30	40-50	-