

[illegible]

Program Elective Courses (EMRL)

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.	HRE-517B	Modeling, Simulation and Computer Applications	PEC	4	3	1	2/2	3	-	20	20	20	40	-
2.	HRE-518	Environmental Planning and Management	PEC	4	3	1	-	3	-	25	-	25	50	-
3.	HRE-540	Solar Photo-Voltaic Design and Application	PEC	4	3	1	-	3	-	25	-	25	50	-
4.	HRE-542	Energy Conservation and Management	PEC	4	3	1	-	3	-	25	-	25	50	-
5.	HRE-550	Application of RS & GIS in Environment Management	PEC	4	3	1	-	3	-	25	-	25	50	-
6.	HRE-552	Hydrology and Modeling of water bodies	PEC	4	3	1	-	3	-	25	-	25	50	-
7.	HRE-556	Environmental Laws, Public Participation and Institutional Development	PEC	4	3	1	-	3	-	25	-	25	50	-
8.	HRE-558	Coastal Pollution Monitoring and Impact Assessment	PEC	4	3	1	-	3	-	25	-	25	50	-
9.	HRE-576	Planning and Management of Environmental Facility	PEC	4	3	1	-	3	-	25	-	25	50	-
10.	HRE-580	Climate Change and water resources	PEC	4	3	1	-	3	-	25	-	25	50	-
13.	CEN-603	Industrial and Hazardous Waste Management	PEC	4	3	1	-	3	-	25	-	25	50	-
12.	CEN-604	Environment Impact & Risk Assessment	PEC	4	3	1	-	3	-	25	-	25	50	-
11.	CEN-605	Solid Waste Management	PEC	4	3	1	-	3	-	25	-	25	50	-
14.	HYN-527	Ground Water Hydrology	PEC	4	3	1	-	3	-	25	-	25	50	-
15.	HYN-531	Watershed Behavior & Conservation Practices	PEC	4	3	1	-	3	-	25	-	25	50	-
16.	HYN-542	Urban Hydrology	PEC	4	3	1	-	3	-	25	-	25	50	-
17.	HRE-587	Advanced Modelling for Renewable Energy Power Systems	PEC	4	3	0	2/2	3	2	1 5 - 3 0	20	1 5- 2 5	30 - 40	-

Pre-PhD Courses:

1.	HRE-901	Circular Economy for Renewable Energy	PEC	4	3	1	-	3	-	20 - 35	-	20 - 30	40 - 50	-
2.	HRE-902	Wastewater Resource Recovery	PEC	4	3	1	-	3	-	20 - 35	-	20 - 30	40 - 50	-

3.	HRE-903	Energy Recovery from Solid Waste	PEC	4	3	1	-	3	-	20 - 35	-	20 - 30	40 - 50	-
4.	HRE-904	Fuel Cells	PEC	4	3	1	-	3	-	20 - 35	-	20 - 30	40 - 50	-