

MODEL PLAN SEMESTER WISE FOR MTECH IN CE (WRE)

Semester I

Course No.	Course Title	Contact Hour			Credit	Remarks
		L	T	P		
CE501	Surface Water Hydrology	3	0	0	3	
CE502	Advanced Hydraulic Engineering	3	0	0	3	
CE511	Elective I: Computational methods in Water Resources Engineering	3	0	0	3	
CE515	Elective II: River Engineering	3	0	0	3	
EE513	Elective III: Soft computing	3	0	0	3	
CE503	Water Resources Engineering Lab	0	0	6	3	
		15	0	6		
		21			18	

Semester II

Course No.	Course Title	Contact Hour			Credit	Remarks
		L	T	P		
CE504	Subsurface Hydrology	3	0	0	3	
CE505	Advanced Fluid Mechanics	3	0	0	3	
CE509	Elective IV: Environmental Impact Assessment	3	0	0	3	
CE510	Elective V: Water Resources System Analysis	3	0	0	3	
CE506	Environmental Engineering Lab	0	0	6	3	
CE507	Seminar	0	0	2	1	
CE508	Term Paper	0	0	4	2	
		12	0	12		
		24			18	

List of Elective Courses

CE 509	Environmental Impact Assessment	CE 510	Water Resources System Analysis
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CE 511	Computational methods in Water Resources Engineering	CE 512	Water Quality and Environment
CE 513	Watershed Management and Remote Sensing Applications	CE 514	Sediment Dynamics in Fluvial Systems
CE 515	River Engineering	CE 516	Optimization Methods
CE 517	Environmental Hydrology	CE 518	Computational Methods in Hydraulics and Environmental Engineering Applications
CE 519	Water Power Engineering	CE 520	Stochastic Hydrology
CE 521	Environmental Management of Water Resources		
Plus any course of appropriate level offered in the Institute recommended by the concerned DAC			

Semester III

Course No.	Course Title	Contact Hour			Credit	Remarks
		L	T	P		
CE 601	Seminar	0	0	4	2	
CE 602	Project I	0	0	20	10	
		0	0	24		
		24			12	

Semester IV

Course No.	Course Title	Contact Hour			Credit	Remarks
		L	T	P		
CE 603	Project II	0	0	24	12	
		0	0	24		
		24			12	