

### Master in Civil Engineering (River)

Prog	CCMT Code	Group	Sem	Course code	Course Title	L	T	P	Credits	FM
CEPG	CERE	Core	1	CE761	River Morphology and Hydraulics	3	0	0	3	100
CEPG	CERE	Core	1	CE662	Advanced Hydrology	3	0	0	3	100
CEPG	CERE	EL-1	1	CExxx	Elective – I	3	0	0	3	100
CEPG	CERE	EL-2	1	CExxx	Elective – II	3	0	0	3	100
<b>CEPG</b>	<b>CERE</b>	<b>EL-3</b>	<b>1</b>	<b>CExxx</b>	<b>Elective – III / Open Elective</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>100</b>
CEPG	CERE	Lab	1	CE681	Advanced Civil Engineering Lab –I:	0	0	6	4	100
CEPG	CERE		1		<b>Total Semester Credit</b>	<b>15</b>	<b>0</b>	<b>6</b>	<b>19</b>	<b>600</b>
CEPG	CERE	Core	2	CE762	River Training and Flood Control	3	0	0	3	100
CEPG	CERE	EL-4	2	CExxx	Elective – IV	3	0	0	3	100
CEPG	CERE	EL-5	2	CExxx	Elective – V	3	0	0	3	100
CEPG	CERE	EL-6	2	CExxx	Elective – VI	3	0	0	3	100
<b>CEPG</b>	<b>CERE</b>	<b>EL-7</b>	<b>2</b>	<b>CExxx</b>	<b>Elective – VII / Open Elective</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>100</b>
CEPG	CERE	Lab	2	CE686	Advanced Civil Engineering Lab- II	0	0	6	4	100
CEPG	CERE	Lab	2	CE690	Seminar	0	0	3	2	100
CEPG	CERE		2		<b>Total Semester Credit</b>	<b>15</b>	<b>0</b>	<b>9</b>	<b>21</b>	<b>700</b>
CEPG	CERE	Lab	3	CE691	Seminar and Comprehensive Viva - I	0	0	3	2	100
CEPG	CERE	Lab	3	CE692	Dissertation (to be continued in 4 <sup>th</sup> Sem)	0	0	12	8	100
CEPG	CERE		3		<b>Total Semester Credit</b>			<b>15</b>	<b>10</b>	<b>200</b>
CEPG	CERE	Lab	4	CE693	Seminar and Comprehensive Viva - II	0	0	3	2	100
CEPG	CERE	Lab	4	CE694	Dissertation (Final)	0	0	15	10	100
CEPG	CERE		4		<b>Total Semester Credit</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>12</b>	<b>200</b>
CEPG	CERE				<b>Cumulative Total Credit</b>				<b>62</b>	<b>1700</b>
List of Electives										
CEPG	CERE	EL-x		CE661	Advanced Hydraulics	3	0	0	3	100
CEPG	CERE	EL-x		CE663	Advanced Ground Water Engineering	3	0	0	3	100
CEPG	CERE	EL-x		CE668	Reservoir Operation and Planning	3	0	0	3	100
CEPG	CERE	EL-x		CE669	River Pollution and Control	3	0	0	3	100
CEPG	CERE	EL-x		CE670	Remote Sensing and GIS for Water Resources	3	0	0	3	100
CEPG	CERE	EL-x		CE671	Hydro Power Engineering	3	0	0	3	100
CEPG	CERE	EL-x		CE672	Irrigation Water Management	3	0	0	3	100
CEPG	CERE	EL-x		CE675	Floods and Droughts Management	3	0	0	3	100
CEPG	CERE	EL-x		CE676	Design of Hydraulic Structures	3	0	0	3	100
CEPG	CERE	EL-x		CE764	Environmental Impact Assessment of River Valley Projects	3	0	0	3	100
CEPG	CERE	EL-x		CE765	Climate Change Implications on River Flows	3	0	0	3	100
CEPG	CERE	EL-x		CE766	Computational Hydraulics	3	0	0	3	100
CEPG	CERE	EL-x		CE767	River Ecology and Environmental Flows	3	0	0	3	100