

**Master of Civil Engineering (CEPG) Water Resources-DD**

Prog	CCMT Code	Group	Sem	Course code	Course Title	L	T	P	Credits	FM
CEPG DD	CEWR	Core	1	CE661	Advanced Hydraulics	3	0	0	3	100
CEPG DD	CEWR	Core	1	CE662	Advanced Hydrology	3	0	0	3	100
CEPG DD	CEWR	EL-1	1	CE6xx	Elective – I	3	0	0	3	100
CEPG DD	CEWR	EL-2	1	CE6xx	Elective – II	3	0	0	3	100
CEPG DD	<b>CEWR</b>	<b>EL-3</b>	<b>1</b>	<b>CE6xx</b>	<b>Elective – III / Open Elective</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>100</b>
CEPG DD	CEWR	Lab	1	CE681	Advanced Civil Engineering Lab -I	0	0	6	4	100
CEPG DD	CEWR		1		<b>Total Semester Credit</b>	<b>15</b>		<b>6</b>	<b>19</b>	<b>600</b>
CEPG DD	CEWR	Core	2	CE663	Advanced Ground Water Engineering	3	0	0	3	100
CEPG DD	CEWR	EL-4	2	CE6xx	Elective – IV	3	0	0	3	100
CEPG DD	CEWR	EL-5	2	CE6xx	Elective – V	3	0	0	3	100
CEPG DD	CEWR	EL-6	2	CE6xx	Elective – VI	3	0	0	3	100
CEPG DD	<b>CEWR</b>	<b>EL-7</b>	<b>2</b>	<b>CE6xx</b>	<b>Elective – VII / Open Elective</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>100</b>
CEPG DD	CEWR	Lab	2	CE686	Advanced Civil Engineering Lab - II	0	0	3	2	100
CEPG DD	CEWR	Lab	2	CE690	Seminar	0	0	6	4	100
CEPG DD	CEWR		2		<b>Total Semester Credit</b>	<b>15</b>		<b>9</b>	<b>21</b>	<b>700</b>
CEPG DD	CEWR	DD only	3	3ME701	<b>Research Methodology</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>100</b>
CEPG DD	CEWR	Lab	3	CE691	Seminar and Comprehensive Viva - I	0	0	3	2	100
CEPG DD	CEWR	Lab	3	CE692	Dissertation (to be continued in 4 <sup>th</sup> Sem)	0	0	12	8	100
CEPG DD	CEWR		3		<b>Total Semester Credit</b>			<b>15</b>	<b>13</b>	<b>300</b>
CEPG	CEWR	Lab	4	CE693	Seminar and Comprehensive Viva - II	0	0	3	2	100
CEPG DD	CEWR	Lab	4	CE694	Dissertation	0	0	15	10	100
CEPG DD	CEWR		4		<b>Total Semester Credit</b>			<b>18</b>	<b>12</b>	<b>200</b>
CEPG DD	CEWR				<b>Cumulative Total Credit</b>				<b>65</b>	<b>1800</b>
<b>List of Electives</b>										
CEPG DD	CEWR	EL-x		CE664	Water Resources System's Planning and Economic Analysis	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE665	Optimization Techniques	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE666	Unsteady Flows	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE667	River Engineering	3	0	0	3	100

CEPG DD	CEWR	EL-x		CE668	Reservoir Operation and Planning	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE669	River Pollution and Control	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE670	Remote Sensing and GIS for Water Resources	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE671	Hydro Power Engineering	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE672	Irrigation Water Management	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE673	Advanced Land Drainage	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE674	Hydrodynamics	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE675	Floods and Droughts	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE676	Design of Hydraulic Structures	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE677	Contaminant Transport in Porous Media	3	0	0	3	100
CEPG DD	CEWR	EL-x		CE678	Finite element analysis	3	0	0	3	100
CEPG DD	CEWR	EL-x		MA604	Probability and Statistics	3	0	0	3	100