



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Master of Technology (Water Resources Engineering)**  
**Choice Based Credit System (CBCS)**

**SEMESTER - I**

S. No.	COURSE CODE	COURSE NAME	EXAMINATION SCHEME					TEACHING SCHEME/WEEK			CREDITS	TOTAL MARKS
			THEORY			PRACTICAL		Th	T	P		
			End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)					
1	MTCE2101	System Mathematics & Mathematical Modeling	60	20	20	-	-	3	1	0	4	100
2	MTCE3102	Design of Diversion Structures	60	20	20	30	20	3	1	2	5	150
3	MTCE3103	Material Science and Fluid Mechanics	60	20	20	30	20	3	1	2	5	150
4	Elective I	Ground Water Hydrology	60	20	20	-	-	3	1	0	4	100
5	Elective II	Environmental Impact Assessment of Water Resources Projects	60	20	20	-	-	3	1	0	4	100
6	MTCE3108	Comprehensive Viva	-	-	-	100	-	0	0	8	4	100
7	MTCE3109	Computer Techniques Laboratory	-	-	-	-	50	0	0	4	2	50
8	MTCE3110	Seminar	-	-	-	-	50	0	0	4	2	50
			300	100	100	160	140	15	5	20	30	800

Legends: Th - Theory ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

Elective-I	
MTCE3104	Ground Water Hydrology
MTCE3105	River Engineering

Elective-II	
MTCE3106	Hydrological Analysis
MTCE3107	Environmental Impact Assessment of Water Resources Projects

\*Teacher Assessment shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Chairperson  
 Board of Studies  
 Shri Vaishnav Vidyapeeth Vishwavidyalaya  
 Indore

Head of Institution  
 Shri Vaishnav Vidyapeeth Vishwavidyalaya  
 Indore