VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI

Scheme of Teaching and Examinations (2026)

M.Tech., in Civil Engineering

(Specialization in Water and Land Management)

Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE)

Specialization in – (Water and Land Management)

II SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching & Learning Scheme					Examination				Credits
				CI		LI	TW & SL	Total Hours	Semester Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	T	P							
1	PCC/ IPCC	1MCWL201	Land & Water Resources Conservation Engineering (IPCC)	42	0	28	50	120	03	50	50	100	4
2	PCC	1MCWL202	Watershed Development, Soil Erosion and Land Reclamation	42	0	0	48	90	03	50	50	100	3
3	PCC	1MCWL203	Geospatial Techniques for Land and Water Governance	42	0	0	48	90	03	50	50	100	3
4	PCC	1MCWL204	Agricultural Water Management and Crop Water Modelling	42	0	0	48	90	03	50	50	100	3
5	PEC	1MCWL205X	PEC–III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MCWL206X	PEC–IV	42	0	0	48	90	03	50	50	100	3
7	PCC L	1MWLL207	Land & Water Analytics Lab (AEC)	0	0	28	02	30	03	50	50	100	1
8	PCC	1MCWLS208	Minor Project / Skills Project	0	0	0	60	60	03	50	50	100	2
									TOTal	400	400	800	22

Professional Elective Courses (PECs)			
PEC-III		**PEC-IV**	
Code	**Title of the Course**	**Code**	**Title of the Course**
1MWL205A	Integrated Land Use Planning & SDG-15	1MCWL206A	Geomorphology and Terrain Analysis
1MWL205B	Soil Hydraulics & Infiltration Modelling	1MCWL206B	Agri-GIS and Smart Farming Technologies
1MWL205C	Watershed Economics and Benefit-Cost Analysis	1MCWL206C	Participatory Irrigation Management
1MWL205D	Water–Energy–Food Nexus	1MCWL206D	Soil Carbon and Climate Adaptation