

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

For Batch Admitted in 2023-2024

Master of Technology in Environmental Engineering (Semester – I)

Scheme of Examination

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits
			Theory Slot			Practical Slot		MOOCs			L	T	P	
			End Sem	Mid Sem	Quiz/ Assignment	End Sem	Lab Work / Sessional	Assignment	Exam					
1.	530111	Environmental Chemistry & Microbiology	70	20	10	-	-	-	-	100	3	-	-	3
2.	530112	Solid & Hazardous Waste Management	70	20	10	-	-	-	-	100	3	-	-	3
3.	530113	Advanced Treatment Process – I (Waste Water Engineering)	70	20	10	-	-	-	-	100	3	-	-	3
4.		#Elective - I	70	20	10	-	-	-	-	100	3	-	-	3
5.		*Open Category Course (OC-1)	70	20	10	-	-	-	-	100	3	-	-	3
6.	530118	Environmental Engineering Lab	-	-	-	90	60	-	-	150	-	-	4	4
7.	530119	S Self Learning / Presentation	-	-	-	-	100	-	-	100	-	-	2	2
		Total	350	100	50	90	160	-	-	750	15	-	6	21

##Elective-I

- 530114. Industrial Waste Management
- 530115. Environmental Auditing & Management System
- 530116. Environmental Hydraulics

* **Open Category Course (OC-1)** will have to be opted from the pool of open courses (Student can opt from parent department and other department) and based on interdisciplinary aspects.

800110. Sustainable Waste Management System.

During labs, students have to perform practical/assignments/minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies/ languages/ tools etc.

⁵Self learning / presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students bus assessment will be based on internal seminar presentation)

Civil Engineering Department, MITS Gwalior

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

NAAC Accredited with A++ Grade

M/O
03/01/2024
(ACADEMICS)
MITS
GWALIOR

For batch admitted in academic session 2023-24

Master of Technology in Environmental Engineering (Semester – II)

Scheme of Examination

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits
			Theory Slot			Practical Slot		MOOCs			L	T	P	
			End Sem	Mid Sem	Quiz/Assignment	End Sem	Lab Work / Sessional	Assignment	Exam					
1.	530211	Air Pollution & Noise Pollution	70	20	10	-	-	-	-	100	3	-	-	3
2.	530212	Advanced Treatment Process- II (Water Supply Engineering)	70	20	10	-	-	-	-	100	3	-	-	3
3.	530213	Environmental Impact Assessment & Ethics	70	20	10	-	-	-	-	100	3	-	-	3
4.		##Elective – II	-	-	-	-	-	-	-	100	3	-	-	3
5.		**Open Category Course (OC-2)	70	20	10	-	-	-	-	150	-	-	4	4
6.	530217	Advanced Environmental Engineering Lab	-	-	-	90	60	-	-	150	-	-	4	4
7.	530218	Self Learning / Presentation	-	-	-	-	100	2	-	100	-	-	2	2
		Total	280	80	40	90	160	25	75	750	15	-	6	21

##Elective-II (Through SWAYAM / NPTEL / MOOC based learning platform (with credit transfer facility))

530219. Biological Process Design for Waste Water Treatment

530221 Applied Environmental Microbiology

**Open Category Course (OC-2) will have to be opted from the pool of open courses (Student can opt from parent department and other department) and based on interdisciplinary aspects. This course may run through SWAYAM/NPTEL based platform (with credit transfer facility).

800209. Global Climatic Changes & Disaster Management

During labs, students have to perform practical/assignments/minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies / languages / tools etc.

*Self learning / presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students bus assessment will be based on internal seminar presentation)