ADAMAS UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY

M.Tech. Environmntal Engineering

Course Structure

Academic Year 2020-21

			SEMESTER I					
Sl.	**Type**	**Course code**	**Title of the Course**	**L**	**T**	**P**	**Contact Hours/Week**	**Cre**
1	Theory	ENV21001	Physico-Chemical Processes in Environmental Engineering.	3	1	0	4	4
2	Theory		Elective - I	3	0	0	3	3
3	Theory	ENV21004	Air and Noise Pollution	3	1	0	4	4
4	Theory	ENV21005	Process Chemistry for Water and Wastewater Treatment	3	1	0	4	4
5	Practical	ENV22006	Water and Waste Water Quality Lab	0	0	3	3	2
6	Practical	ENV22007	Air and Noise Pollution Lab	0	0	3	3	2
7	Sessional	ENV22008	Colloquium-I	0	0	3	3	2
8	Sessional	ENV22009	Civil-Technical Report Writing	0	0	3	3	2
			Total	**14**	**3**	**9**	**26**	**2**

			SEMESTER II					
Sl.	**Type**	**Course Code**	**Title of the Course**	**L**	**T**	**P**	**Contact Hours/Week**	**Cre**
1	Theory	ENV21010	Biological Process for Environmental Engineering	3	1	0	4	4
2	Theory	ENV21011	Solid and Hazardous Waste Management	3	1	0	4	4
3	Theory		Elective-II	3	0	0	3	3
4	Theory		Elective-III	3	0	0	3	3
5	Practical	ENV22016	Design of Environmental Engineering Systems	0	0	3	3	2
6	Sessional	ENV22017	Colloquium-II	0	0	3	3	2
			Total	**12**	**2**	**6**	**20**	**1**

M.Tech in Environmental Engineering

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			SEMESTER III					
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Thesis	ENV25018	EE-Pre-Dissertation	0	0	0	24	18
2	Viva	ENV25019	EE-Pre-submission Defense of Dissertation	0	0	0	0	4
			Total				24	22

			SEMESTER IV					
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Thesis	ENV25020	EE-Dissertation	0	0	0	24	18
2	Viva	ENV25021	EE-Defense of Dissertation	0	0	0	0	6
			Total					24

TOTAL CREDITS = 23+18+22+24 = 87

Environmental Engineering Electives and Code
Elective-I

  i.   ENV21002 - Environmental System Engineering
 ii.   ENV21003 - Advanced Soil and Foundation Engineering

Elective-II

iii.   ENV21012 - Industrial Wastewater Pollution Control
iv.   ENV21013 – Environmental Impact Assessment

Elective-III

  v.   ENV21014–Numerical Methods
vi.   ENV21015– Optimization Methods