



# AMITY UNIVERSITY

## UTTAR PRADESH

### MSC ENVIRONMENTAL SCIENCE PROGRAMME STRUCTURE 2023

#### MSC EVS I SEM

S.No.	Course Code	Course Title	Course Type	Credit					Credit Units
				L	T	PS	FW/SW	Arch/Des Studio	
1		Environmental Chemistry and Applications	Core Courses	3	0	2	2	0	5
2	ESCM631	Principles of Ecology and Biodiversity	Core Courses	3	0	2	2	0	5
3	GEO601	Earth and Environment	Core Courses	4	0	0	0	0	4
4	NRSD601	Fundamentals of Natural Resources	Core Courses	3	0	0	2	0	4
5		Statistics in Environmental Science	Core Courses	4	0	0	2	0	5

#### MSC EVS II SEM

S.No.	Course Code	Course Title	Course Type	Credit					Credit Units
				L	T	PS	FW/SW	Arch/Des Studio	
1	ESCM632	Environmental Pollution and Abatement	Core Courses	3	0	2	0	0	4
2	ESCM633	Climatology and Meteorology	Core Courses	4	0	0	0	0	4
3	ESCM641	Tools and Techniques in Environmental Sciences	Core Courses	4	0	0	0	0	4
4	ESCM702	Environmental Legislations	Core Courses	3	0	0	0	0	3
5	ESCM732	Environmental Management Systems	Specialisation Elective Courses	3	0	0	0	0	3
6	ESCM602	Environmental Microbiology and Biotechnology	Specialisation Elective Courses	2	0	2	0	0	3
7		Environmental Economics and Policies	Specialisation Elective Courses	2	0	0	2	0	3
8	GST602	Remote Sensing and GIS	Specialisation Elective Courses	3	0	0	2	0	4
9		Soil Ecology & Nutrient Cycling	Specialisation Elective Courses	3	0	0	2	0	4



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10		Environmental Risk Assessment	<u>Specialisation</u> <u>Elective Courses</u>	3	0	0	0	0	3
11	NRESRW6 01  FIELD WORK	<u>Report Writing - I(PG) Guidelines</u>	NTCC	0	0	0	0	0	2

### MSC EVS III SEM

<u>S.No.</u>	<u>Course Code</u>	<u>Course Title</u>	<u>Course Type</u>	<u>Credit</u>					<u>Credit Units</u>
				<u>L</u>	<u>T</u>	<u>PS</u>	<u>FW/SW</u>	<u>Arch/Des Studio</u>	
1	<u>ESCM714</u>	<u>Modeling and Simulation of Environmental Systems</u>	<u>Core Courses</u>	3	0	0	0	0	3
2	<u>ESCM733</u>	<u>Environmental Impact Assessment and Green Auditing</u>	<u>Core Courses</u>	3	0	0	0	0	3
3	<u>ESCM722</u>	<u>Solid Waste Management</u>	<u>Core Courses</u>	3	0	0	0	0	3
4	<u>ESCM653</u>	<u>Disruptive Eco-smart Technologies</u>	<u>Specialisation</u> <u>Elective Courses</u>	2	0	0	0	0	2
5	<u>ESCM642</u>	<u>Energy Management</u>	<u>Specialisation</u> <u>Elective Courses</u>	2	0	0	2	0	3
6	<u>ESCM713</u>	<u>Environmental Hazards, Risk Assessment and Disaster Management</u>	<u>Specialisation</u> <u>Elective Courses</u>	3	0	0	0	0	3
7	<u>ESCM723</u>	<u>Water Treatment Technologies</u>	<u>Specialisation</u> <u>Elective Courses</u>	3	0	0	0	0	3
8		Community and Sustainable Development	<u>Specialisation</u> <u>Elective Courses</u>	3	0	0	0	0	3
9	<u>ESCM 721</u>	<u>Environment and Occupational Health &amp; Safety Management</u>	<u>Specialisation</u> <u>Elective Courses</u>	4	0	0	0	0	4
10	ESCM701	<u>Environmental Toxicology</u>	<u>Specialisation</u> <u>Elective Courses</u>	3	0	0	0	0	3
11		Bioremediation Technologies	<u>Specialisation</u> <u>Elective Courses</u>	3	0	0	2	0	4

