

Programme Structure: M. Sc. Environmental Science (CBCS-based)					
S. No.	Course Code	Course Name	Course Category	L-T-P	Credit
SEMESTER- I					
1.	ES 401	Fundamentals of Environmental Science	Core	3-0-0	3
2.	ES 403	Environmental Chemistry	Core	3-0-0	3
3.	ES 405	Environmental Biology	Core	3-0-0	3
4.	ES 407	Introduction to Environmental Modelling	Core	2-0-0	2
5.	ES 409	Natural Hazards	Core	3-0-0	3
6.	ES 415	Energy and Environment	Core	3-0-0	3
7.		Discipline Specific Elective-I (Any one course)	DSE-I	3-0-0	3
		PRACTICALS			
8.	ES 411	Laboratory-I*	Core	0-0-8	4
9.	ES 413	Field Visit	Core	0-0-4	2
		Total L-T-P		20-0-12	26
		Total Contact Hours		32	
SEMESTER- II					
1.	ES 402	Earth Resources and Processes	Core	3-0-0	3
2.	ES 406	Soil Science	Core	3-0-0	3
3.	ES 408	Environmental Pollution and Human Health	Core	4-0-0	4
4.	ES 410	Climatology and Global Climate Change	Core	3-0-0	3
5.	ES 412	Hydrology	Core	3-0-0	3
6.		Discipline Specific Elective-II (any one course)	DSE-II	3-0-0	3
7.		Generic Elective-I (Any one course)	GE-I	3-0-0	3
		PRACTICALS			
8.	ES 414	Laboratory-II*	Core	0-0-8	4
		Total L-T-P		22-0-8	26
		Total Contact Hours		30	

SEMESTER- III					
1.	ES 501	Environmental Toxicology and Bioremediation	Core	3-0-0	3
2.	ES 503	Biodiversity and Environmental Conservation	Core	4-0-0	4
3.	ES 505	Remote Sensing and Geographic Information System	Core	3-0-0	3
4.	ES 507	Waste Management	Core	3-0-0	3
5.	ES 509	Environmental Impact Assessment and Sustainable Development	Core	3-0-0	3
6.	ES 511	Advanced Analytical Techniques for Environmental Monitoring	Core	4-0-0	4
7.	ES 513	Research Methodology	Core	3-0-0	3
		PRACTICALS			
8.	ES 521	Laboratory-III*	Core	0-0-8	4
		Total L-T-P		23-0-8	27
		Total Contact Hours		31	
SEMESTER- IV					
1.	ES 502	Seminar	Core	0-0-2	1
2.	ES 506	Project	Core	0-0-24	12
		Total L-T-P		0-0-26	13
		Total Contact Hours		26	
		Total Credits for all Semesters			92

Generic Elective-I (GE-I)					
(Select any one course only)					
1.	FT 312	Food Processing Waste Management	GE-I	3-0-0	3
2.	UP102	Settlement Planning	GE-I	3-0-0	3
Discipline Specific Electives-I (DSE-I)					
(Select any one course only)					
1.	ES 417	Disaster Management	DSE-I	3-0-0	3
2.	ES 421	Urban Green Space Management	DSE-I	3-0-0	3
3.	ES 423	Oceanography	DSE-I	3-0-0	3

Discipline Specific Electives-II (DSE-II)**(Select any one course only)**

1.	ES 416	Environmental Planning, Policy, Convention and Legislation	DSE-II	3-0-0	3
2.	ES 418	Microbial Ecology	DSE-II	3-0-0	3
3.	ES 420	Agro-ecology and Agro-forestry	DSE-II	3-0-0	3

**Experiments will be based on course contents*