

Department of Environmental Science

Study and Evaluation Scheme

Program: M.Sc. Environmental Science

Semester: First

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub Total	Credit	Total Credits	Attributes										
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	United Nations Sustainable Development Goals (SDGs)			
1.	ES412	Principles of Ecology and Biodiversity	Core	03	00	02	40	20	60	40	100	3:0:1	4					√						
2.	CH404	Environmental Chemistry	Core	02	01	02	40	20	60	40	100	2:1:2	4	√		√								
3.	ES413	Fundamentals of Natural Resources	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√						
4.	ES414	Environmental Statistics and Computer Applications	Core	03	01	00	40	20	60	40	100	2:1:0	4	√	√	√		√						 
5.	ES415	Forest, Wildlife and Ecotourism	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√	√	√	√					
6.	ES416	Field Project/ Educational Tour	NTCC	00	00	06	00	00	00	00	100	0:0:4	2	√	√	√		√			√			  
Total				14	05	03	240	120	360	240	600	23	22											



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				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	United Nations Sustainable Development Goals (SDGs)				
1.	ES417	Synergies in Microbial Ecology and Biotechnology	Core	03	00	02	40	20	60	40	100	3:0:1	4	√		√		√							
2.	ES418	Environmental Instrumentation Techniques	Core	02	01	02	40	20	60	40	100	2:1:1	4	√	√	√		√							
3.	ES419	Disaster Management and Preparedness	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√							
4.	ES420	Environmental Pollution and Mitigation Strategies	Core	03	01	00	40	20	60	40	100	3:1:0	4	√		√		√							
5.	ES421	Climatology and Meteorology	Core	03	01	00	40	20	60	40	100	3:1:0	4	√	√	√		√							
ELECTIVE COURSES-ANY TWO																									
6.	ES422	Environmental Toxicology and Health Risk Assessment	SEC	02	00	02	40	20	60	40	100	2:0:2	3	√	√	√		√							
7.	ES423	Environmental Economics	SEC	02	01	00	40	20	60	40	100	2:1:0	3	√	√	√	√	√							
8.	ES424	Environmental Management Planning	SEC	02	01	00	40	20	60	40	100	2:1:0	3	√	√	√				√					
Total				20	04	05	320	160	480	240	800	26	26												



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Department of Environmental Science
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Semester: Fourth

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme						Attributes							United Nations Sustainable Development Goals (SDGs)	
				L	T	P	Presentation	Content/TA	Total	ESE	Sub.Total	Total Credits	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Human Value	Professional Ethics			
	ES520	Environmental and statistical modelling	Core	2	1	00	40	20	60	40	100	03	√		√						
	ES521	Seminar-presentation	Core	00	00	00	40	20	60	40	100	02	√	√	√		√		√		
	ES522	Dissertation	Core	00	00	00	40	20	60	40	100	15	√	√	√		√	√	√		
			Total	00	00	00	120	60	180	120	300	20									

CT= Class Test, TA= Teacher's Assessment, ESE= End Semester Examination; Sessional=CT+TA; Subject Total=Sessional + ESE;
Total Credit=22+26+24+20= 92