
















Integral University, Lucknow
Department of Environmental Science

Evaluation Scheme of Undergraduate & Post Graduate Program as per NEP-2020 Guidelines
w.e.f. Session 2023-24

Certificate in Environmental Science

Year: First / Semester: First (Odd Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes						United Nations Sustainable Development Goals (SDGs)
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	
Major 1				Major 1	4	0	2	15	10	25	75	100	06	✓	✓		✓	✓	✓	 
1	B150101T/ES125	Basics of Environmental Science	Theory											✓	✓		✓	✓	✓	
	B150102P/ES126	Practical on Environment	Practical																	
Major 2				Major 2 (anyone)	4	0	2	15	10	25	75	100	06	✓	✓	✓		✓		 
2	B100101T/BS103	Introduction to cell biology and genetics	Theory											✓	✓	✓	✓			
	B100103P/BS105	Introduction to cell biology and genetics Lab	Practical																	
3	B150103T/ ES127	Environmental Chemicals and toxicants	Theory											✓	✓	✓	✓			
	B150104P/ ES128	Toxicant Analysis Lab	Practical																	
Major 3				Major 3 (anyone)	6	0	0	15	10	25	75	100	06	✓	✓	✓		✓	✓	  
4	A070101T/SS107	Introduction to basic concept of sociology	Theory											✓	✓	✓	✓	✓	✓	
5	B150105T/ES129	Earth & Earth Surface Processes	Theory											✓	✓		✓			
	B150106P/ES130	Earth Surface Processes Lab	Practical																	
6	I150106T/ES131	Introduction to Natural Hazard and Disaster Management	Theory	Vocational (anyone)	2	1	0	-	-	-	-	100	03	✓	✓	✓	✓			 
7	I050107T/ES132	Water Monitoring and Conservation Techniques	Theory	Vocational (anyone)	2	1	0	-	-	-	-	100	03	✓	✓	✓	✓			  
8	Z010101T/BE105	Food Nutrition and Hygiene	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02			✓	✓	✓	✓	
TOTAL					16	0	12	105	70	150	925	100	23							
Minor Elective: B150109T/ES142-Human and Environment																				



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Certificate in Environmental Science

Year: First / Semester: Second (Even Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes							United Nations Sustainable Development Goals (SDGs)		
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethic			
Major 1					Major 1	4	0	2	15	10	25	75	100	06	✓	✓			✓				
1	B150201T/ES133	Environmental Biology	Theory																				
	B150202P/ES134	Practical on Environmental Biology	Practical																				
Major 2					Major 2 (anyone)	4	0	2	15	10	25	75	100	06	✓	✓	✓		✓				
2	B100201T/BS115	Human Physiology	Theory																				
	B100202P/BS152	Human Physiology Lab	Practical																				
3	B150203T/ES135	Eco-Restoration and Invaded Ecosystems	Theory	Major 2 (anyone)	4	0	2	15	10	25	75	100	06	✓	✓	✓		✓					
		B150204P/ES136	Ecosystem Dynamic Lab																				Practical
Major 3					Major 3 (anyone)	6	0	0	15	10	25	75	100	06	✓	✓	✓		✓	✓			
4	A070201T/SS108	Society in India: Structure organization and Change	Theory																				
5	B150205T/ES137	Natural Resources and its Management	Theory																				
	B150206P/ES138	Natural Resources Lab	Practical																				
6	B030202T/MT148	Basic Mathematics and Statistics	Theory	Minor Elective (anyone)	4	0	0	15	10	25	75	100	04	✓	✓	✓		✓					
7	A040209T/LN109	Basics of Communication	Theory	Minor Elective (anyone)	4	0	0	15	10	25	75	100	04	✓	✓	✓		✓					
8	I150207T/ ES139	AI for Earth and Environmental Sciences	Theory	Vocational	3	0	0	15	-	-	-	-	03	✓	✓	✓		✓					
9	I150208T/ES140	Ecotourism and Wildlife Management	Theory		3	0	0	15	-	-	-	-	03	✓	✓	✓		✓					
10	Z010101T/BE105	Food Nutrition and Hygiene	Theory	Co-curricular Compulsory	2	0	0	15	10	25	75	100	02			✓		✓	✓				
TOTAL					16	0	12	105	70	150	925	700	27										

Minor Elective: B150209T/ ES141- Introduction to Environmental Studies (II Semester for all the departments)

