Integral University, Lucknow

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 Credis	Attributes							
				L	T	P	CT	TA	Total	ESE				SDGs Goal no. with Targets	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment& Sustainability	Human Value	Professional Ethics
THEORIES																					
1.	ES401	Advanced studies in Environment and Ecology	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG 15** Life on Land: **Target 15.1 and 15.5**			√		√		
2.	ES402	Energy and Green Technologies	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG 11** Sustainable cities and communities: **Target 11.7**	√	√	√		√		
3.	ES403	Basics of Environmental Microbiology	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG6** Ensure availability and sustainable management of water and sanitation for all **Target: 6.3**	√				√		
4.	CH404	Environmental Chemistry	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG-13:**Climate Action	√	√	√		√		
5.	ES404	Climate Change and Current Issues	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG 13** Climate Action	√		√		√		
Practical																					
6.	ES405	Environmental Ecology Lab	**Core**	00	00	08	40	20	60	40	100	0:0:4	4	**SDG 14** Conserve and sustainably use the oceans, seas and marine resources for sustainable development:**Targets 14.1, 14.2,14.4** **SDG15** Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss: **Targets 15.1, 15.2,15.4 and 15.8**	√	√	√		√		
			Total	**15**	**05**	**08**	**240**	**120**	**360**	**240**	**600**	**24**	**24**								

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				L	T	P	CT	TA	Total	ESE				SDGs Goal no. with Targets	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment& Sustainability	Human Value	Professional Ethics
THEORIES																					
1.	ES406	Natural Resources and Management	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG12** Ensure sustainable consumption and production patterns: Target:12.2 **SDG6** Ensure availability and sustainable management of water and sanitation for all:Target:6.5	√	√	√		√		
2.	ES407	Disasters, Mitigation & Management	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG 11** Sustainable cities and communities: Target 11.b	√	√	√		√		
3.	ES408	Environmental Toxicology	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG 12** Responsible Consumption and Production: Target: 12.4	√	√	√		√		
4.	ES409	Ecotourism and Wild life Management	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG15**Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss: Targets 15.1, 15.2, 15.4, 15.8, 15.9	√	√	√		√		
5.	ES410	Environmental Pollution and Management	**Core**	03	01	00	40	20	60	40	100	3:1:0	4	**SDG 6** Clean Water and Sanitation: Target 6.1 **SDG 14** Life Below Water : Target 14.1 **SDG 15** Life on Land: Target 15.1	√	√	√		√		
Practical																					
6.	ES411	Natural Resource Management Lab	**Core**	00	00	08	40	20	60	40	100	0:0:4	4	**SDG 11** Sustainable cities and communities: Target 11.7 **SDG 12**Responsible Consumption and Production : 12.1 and 12.2	√	√	√		√		
			Total	**15**	**05**	**08**	**240**	**120**	**360**	**240**	**600**	**24**	**24**								