

Noakhali Science and Technology University
Department of Environmental Science and Disaster Management
MS Program Design

Program

Semester	No.	Course Code	Courses	Cr.	Couse Code	Elective Courses (Cr. 3 each)
1 st Sem. (Both Thesis & Non-Thesis)	1	ESDM 5101	Environmental Management Systems	3	ESDM 5105	Environmental Policy and Governance
	2	ESDM 5102	Environmental Resource Economics	3	ESDM 5106	Tropical Ecology and Ecosystem Services
	3	ESDM 5103	GIS in Natural Resource Management	3	ESDM 5107	Geology of Bengal Basin and Delta Management
	4	ESDM 5104	Advanced Research Methodology	3	ESDM 5108	Soil Ecology
	5		Elective Course (1 out of 4)	3		
2 nd Sem. (Both Thesis & Non-Thesis)	1	ESDM 5201	Comprehensive Disaster Management	3	ESDM 5205	Public Health and Environmental Safety
	2	ESDM 5202	Climate Change	3	ESDM 5206	Applied Environmental Biotechnology and Bioinformatics
	3	ESDM 5203	Industrial Waste Treatment and Management plan	3	ESDM 5207	Land Use Planning and Management
	4	ESDM 5204	Project Development monitoring and Evaluation	3	ESDM 5208	Sustainable Energy management
	5		Elective Course (1 out of 4)	3		
3 rd Sem.	(Thesis Group)	ESDM 5301	Thesis and Seminar	12+1		
	(Non-Thesis Group)	ESDM 5302	Project and Seminar	6+1		
		ESDM 5303	Applied Environmental and Social Impact assessment	3		
		ESDM 5304	Water Resource Engineering and System Analysis	3		
Total			43			

Total Course List

Core Course		Elective Course		
No.	Name	No.	Name	
1	Environmental Management Systems	1	Public health and Environmental safety	2
2	Comprehensive Disaster Management	2	Environmental policy and governance	1
3	Advanced Research Methodology	3	Soil Ecology	1
4	Environmental resource Economics	4	Tropical Ecology and Ecosystem Services	1
5	Climate change and Climate Modelling	5	Applied Environmental Biotechnology and Bioinformatics	2
6	GIS in Natural Resource Management	6	Geology of Bengal Basin and Delta Management	1
7	Water Resource Engineering and System Analysis (Non-thesis)	7	Sustainable energy management	2
8	Environmental and social Impact assessment	8		
9	Industrial Waste Treatment and Management plan (Non-thesis)	9	Land Use Planning and Management	2
10	Project Development monitoring and Evaluation	10		