

Department of Environmental Science and Engineering

NEP courses for the batch admitted from AY 2024-25

Details of Departmental Compulsary (DC) Courses

Departmental Compulsary (DC) Courses					
S. No.	Course Code	Course Name	L-T-P	Credit	Course Type
1	NESC501	Ecology and Environmental Microbiology	3-1-0	4	Theory
2	NESC502	Water and Wastewater Engineering	3-1-0	4	Theory
3	NESC503	Air and Noise Pollution	3-1-0	4	Theory
4	NESC504	Water and Wastewater Engineering Practical	0-0-3	1.5	Practical
5	NESC505	Soil and Microbiology Practical	0-0-3	1.5	Practical
6	NESC506	Air and Noise Monitoring Practical	0-0-3	1.5	Practical
7	NESC507	Integrated Solid Waste Management	3-1-0	4	Theory
8	NESC508	Numerical Methods for Environmental Application	3-1-0	4	Theory
9	NESC509	Environmental Remote Sensing & GIS	3-1-0	4	Theory
10	NESC510	Integrated Solid Waste Management Practical	0-0-3	1.5	Practical
11	NESC511	Environmental Computational Lab	0-0-3	1.5	Practical
12	NESC512	Environmental Remote Sensing & GIS Practical	0-0-3	1.5	Practical
13	NESC595	Research Methodology	3-0-0	3	Theory
14	NESC596	Research Methodology	3-0-0	3	Audit
15	NESC597	Thesis	0-0-0	20	Non-contact
16	NESC598	Thesis	0-0-0	20	Non-contact
17	NESC599	Thesis	0-0-0	20	Audit

Details of Departmental Elective (DE) Courses

Departmental Elective (DE) Courses					
S. No.	Course Code	Course Name	L-T-P	Credit	Course Type
1	NESD501	Environmental Modelling	3-0-0	3	Theory
2	NESD502	Groundwater Flow and Contaminant Transport Modelling	3-0-0	3	Theory
3	NESD503	Environmental Laws and Impact Assessment	3-0-0	3	Theory
4	NESD504	Environmental Biotechnology	3-0-0	3	Theory
5	NESD505	Green Engineering concepts and Life Cycle Assessment	3-0-0	3	Theory
6	NESD506	Aerosols in the Atmosphere	3-0-0	3	Theory
7	NESD507	Social Impact Assessment and R&R	3-0-0	3	Theory
8	NESD508	Energy Auditing and Management	3-0-0	3	Theory
9	NESD509	Advanced Water and Wastewater Treatment	3-0-0	3	Theory
10	NESD510	Biomedical and Hazardous Waste Management	3-0-0	3	Theory
11	NESD511	Climate Change and Modelling	3-0-0	3	Theory