

School of Environmental Sciences
Monsoon Semester 2026 List of Teaching Courses for Ph.D.

(All courses are in line with the NEP 2020)

Date: 18.06.2026

Sl. No.	Course Code	Course Title	Faculty	Credits
CORE COURSES				
1.	ES-601A	Research and Publication Ethics	DM/PKJ	2
2.	ES-602A	Research Methodology	KK/AKM/KM/MD	4
ELECTIVE COURSES				
AREA I				
3.	ES611A	Air Pollution Meteorology	RPK	2
4.	ES612A	Atmospheric Instrumentation and Measurements	LKTV	2
5.	ES613A	Atmospheric Processes	AKM	2
6.	ES614A	Urban Climate and Air Quality	KK	2
AREA II				
7.	ES621A	Critical Mineral Exploration for Energy Resource Management	MLD	2
8.	ES623A	Earth Processes	AKT	2
9.	ES624A	Geohazards	RKU	2
10.	ES615A	Fluvial Geomorphology and Processes	AK	2
AREA III				
11.	ES631A	Aquatic and Wetland Ecology	SM	2
12.	ES632A	Carbon Capture and Storage	AM	2
13.	ES634A	Critical Zone Mineralogy and Geochemistry	JKT	2
14.	ES635A	Solid Waste Management and Climate Change	BSS	2
AREA IV				
15.	ES641A	Advances in Molecular Biology	RM	2
16.	ES642A	Antimicrobial Resistance and Environment	KM	2
17.	ES643A	Applied Environmental Microbiology	KP	2
18.	ES644A	Ecosystem Processes	PKJ	2
19.	ES645A	Ecotoxicology	IG	2
20.	ES646A	Environment and Carcinogenesis	PR	2
21.	ES647A	Rehabilitation Ecology	DN	2

1. Core Courses (1&2) - 06 credits are compulsory for every student.
2. Students admitted with MSc as the eligible qualification must choose 2 electives from their respective area of admission only.
3. Students admitted with BSc/BTech as the eligible qualification must choose 5 electives, including at least 2 electives from their respective area of admission.
4. Detailed course content for each course can be found on the SES webpage.

Meenakshi
18.06.2026
Dr. Meenakshi Dua
 Convener - TT & EC, SES

Kasturi Mukhopadhyay
Prof. Kasturi Mukhopadhyay
 Dean, SES

Cc: All faculty members, AO SES, School Office for display on Notice Board.



18/06/26