

Course Type	Course Code	Name of the Course	L	T	P	Credits
DE	NESD503	Environmental Laws and Impact Assessment	3	0	0	3

Course Objectives

- Understanding the environmental laws, acts, standard for environmental compliance.
- Understanding the EIA and its methodologies for Industries and Regulators.

Overall Learning Outcomes

Upon successful completion of this course, students will be able to:

- Concepts and applications of Environmental Laws and EIA in real world situations.

Unit No.	Topics to be covered	Contact Hr (L)	Learning outcomes
I	National and Global Environmental Policies, Forest Policy, Water Policy, Mineral Development policy.	8	Students will learn foundations of environmental improvements made through implementation of environmental policy and how draft policy becomes act when international treaties and national movements define the direction and commitment of government for the sustainable use of natural resources.
II	Environmental Legislation-Acts, Rules, Regulations and Notifications. Environmental Standards, Criteria for Standard Setting.	12	Students will learn fundamental knowledge of past-present-future course of legal systems for environment protection and conservation of natural resources; role of citizen, panchayats, municipalities, State and Union in protection of environment etc.
III	Environmental Clearance; Forest clearance; Consent to Establish & Consent to Operate; Environmental conservation plan for endangered flora and fauna. Framework for EIA, Screening, Scoping, Baseline Studies, EIA Methodologies (Ad hoc, Checklist, Matrix, Network, and Overlay Methods).	12	Students will learn technical know-how about decision making processes for project implementation as per standard guidelines and notifications issued by the GOI.
IV	Strategic Environmental Assessment, Cumulative Impact Assessment, Risk and Uncertainty in EIA.	10	Students will learn how to conduct project or region-specific environmental studies for compliance, etc.
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Text Books:

1. Impact Assessment and Sustainable Resource Management-Theory and Practice 2014. P. Wathernand U. Hyman Routledge Taylor and Francis.
2. Environmental Impact Assessment (Latest Edition 2nd Ed., 1996) -LW Canter, McGraw Hill Inc. Singapore.

Reference books:

1. Environmental Assessment, 2001. Ravi Jain, LV Urban, GS Stacey, H Balbach, McGraw-Hill.
2. Introduction to Environmental Impact Assessment 2005. J Glasson, R Therivel, A Chadwick, Routledge Taylor and Francis.