

NIRMA UNIVERSITY
Integrated B. Tech. (CSE)-MBA programme
Term - III

L	T	P	C
1	1	0	2

Course Code	CSI0305
Course Title	Environmental Studies

Course Outcomes:

At the end of the course, students will be able to –

1. outline the multidisciplinary nature of environment and sustainability
2. explain types of environmental pollution and its control measures
3. appraise need of e-waste management

Syllabus:

**Teaching
Hours: 10
03**

Unit I

Environment and Sustainability: Environment: Components, Multidisciplinary nature, Impact Assessment; Concept of sustainability, Carbon credit.

Unit II

Environmental Pollution: Types of environmental pollution and pollutants; Causes, effects and control measures of air pollution, water pollution and noise pollution.

04

Unit III

E-Waste Management: E-waste: types and sources, Recycling of E-Waste, E-Waste Management Rules of India, Case Studies.

03

Self-Study:

The self-study contents will be declared at the commencement of semester.

Tutorial Work:

Tutorial work will be based on above syllabus with minimum 03 Assignments to be incorporated.

Suggested Readings[^]:

1. Dara, S. S., & Mishra, D. D. A textbook of Environmental Chemistry and Pollution Control. S. Chand & Company Ltd.
2. Bharucha, E., Textbook of Environmental Studies, Universities Press.
3. Dhameja, S. Environmental Studies. S. Kataria and Sons.
4. Ristinen, R., & Kraushaar, J. Energy and the Environment, Wiley Publications.

5. Rakesh Johri, E-Waste: Implementation, Regulation & Management in India & Current global best practices, TERI Press.
6. Electronic Waste Management Rules, Ministry of Environment, Forest and Climate Change, Government of India, New Delhi.

L=Lecture, T=Tutorial, P=Practical, C=Credit

^this is not an exhaustive list