

Mandatory Course 2: Environment Management and Sustainability

Course Type:	VE: Value education course	Course Credits:	2
Course Code:	C3VE505	Course Duration:	30 Hours

Course Objectives:

- To build a foundational understanding of environmental management, laws, and sustainability practices.
- To analyze environmental challenges and apply tools, standards, and stakeholder roles for sustainable development.

Course Outcomes:

- CO1: Understand environmental management in relations to the major principles of sustainable development, defined broadly as: Biodiversity conservation: The Precautionary Principle: Economic sustainability: Intergenerational equity.
- CO2: Translate generic concepts and methods into critical reviews of contemporary, real world environmental management practices.
- CO3: Critically assess theoretical and conceptual issues relating to environmental management.

Unit/ Module	Content	CO Mapping	Hours Assigned
1	Fundamentals of Environment Management; Sustainable Development environment and Business Schools.	CO1	6
2	Energy Management; Ecosystem Concepts; Ecology -Industrial Ecology, Agra-ecology; Climate Change; Biodiversity Management; Global-warming.	CO1, CO2	6
3	Environment Management System; EM5 Standards; EMS Audit Scheme; Clearance/Permissions for establishing	CO3, CO4, CO5	8

	industry; Environmental Accounting; Environmental Impact Assessment; Green Funding; Green Banking; Environment Ethics; Carbon Credit; Recycling Industry.		
4	Environmental Laws - The Environment (Protection) Act 1986, The Air (Prevention & Control of Pollution) Act, 1981, The Water (Prevention & Control of Pollution) Act, 1974,	CO2, CO3	5
5	Pollution; Waste Management; Forest Products and Trade; Bharat Stage 6; Role of Government; Role of NGO's.	CO3, CO4, CO5	5

Textbooks:

1. Environment Management, by Louis Theodore, R. Ryan Dupont, et al.
2. Environmental Management: Text and Cases, by Bala Krishnamoorthy

Reference Books:

1. Environmental Conflict Management 1st Edition, by Tracy Lee Clarke (Author), Tarla Rai Peterson
2. Biodiversity, Conservation and Environmental Management in the Great Lakes Basin 1st Edition, by Eric Freedman (Editor), Mark Neuzil {Editor}

Suggested Pedagogy – Interactive Lectures, Case Studies