

COURSE TITLE	SUSTAINABILITY AND ENVIRONMENT
COURSE CODE	04MB0150
COURSE CREDITS	1

Course Outcomes: After completion of this course, student will be able to:

- 1 Analyze the key principles of sustainability and assess their relevance to contemporary business practices in a global context.
- 2 Evaluate the environmental challenges faced by businesses, including the economic, social, and environmental implications of climate change, resource depletion, and pollution
- 3 Design strategies for integrating sustainability into business operations, with a focus on environmental risk management, circular economy, and sustainable innovation.

Pre-requisite of course: Basic awareness of environmental issues and interest in sustainable development.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
1	0	0	0	50	0	50	0

Contents : Unit	Topics	Contact Hours
1	Foundations of Sustainability Definition, pillars of sustainability: Economic, Environmental, and Social, Historical evolution and frameworks: Brundtland Report, SDGs, Triple bottom line approach and its relevance to global business,, Global Environmental Challenges: Climate change, resource depletion, biodiversity loss, pollution, Role of international environmental organizations, Corporate Responsibility and Environmental Impact: Corporate Social Responsibility (CSR) and Environmental, Social, and Governance (ESG) frameworks, Business implications of environmental regulations and compliance, Greenwashing: Risks and challenges for businesses	8
2	Environmental Risk Management Identifying and assessing environmental risks in business, Tools for environmental risk assessment: Environmental Impact Assessment (EIA), Life Cycle Assessment (LCA),, Sustainable Business Strategies: Green marketing, sustainable product design, and eco-friendly innovations, Renewable energy adoption and the development of sustainable supply chains, Case Study	7
Total Hours		15

Textbook :

- 1 Sustainability: A Comprehensive Foundation, , Tom Theis & Jonathan Tomkin, OpenStax, 2021
- 2 The Business Guide to Sustainability: Practical Strategies and Tools for Organizations, Darcy E. Hitchcock & Marsha Willard, Earthscan, 2022

References:

- 1 Environmental Economics and Policy, Environmental Economics and Policy, James K. Boyce, Routledge, 2022

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
0.00	0.00	30.00	25.00	25.00	20.00

Instructional Method:

- 1 Lectures, case studies, group discussions, field visits, and project-based learning.

Supplementary Resources:

- 1 https://www.unep.org/explore-topics/education-environment/what-we-do/massive-open-online-courses?utm_source=chatgpt.com
- 2 https://ocw.mit.edu/collections/environment/?utm_source=chatgpt.com