

Branch Name:	Management
Program Code:	MS301
Course Name:	Environmental Studies and Climate Change
Course Code:	1MS3010991
Pre-requisite Course:	Environmental Science

Course Objectives:

- To study about environment and ecosystems
- To study about different types of natural resources.
- To know about biodiversity and its conservation.
- To know different type of environmental pollution.
- To study population growth and its impact on environment

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
4	-	-	-	-	-	-	-	-

Subject Contents:

Sr No.	Topic	Total Hours	Weightage (%)
1	Multidisciplinary nature of environmental studies: Definition, scope and importance, need for public awareness Natural Resources: Renewable and Non-Renewable resources, Natural resources and associated problems.	9	20
2	Ecosystems Biodiversity and its conservation	9	20
3	Environmental Pollution Social Issues and the Environment	9	20
4	Human Population and the Environment	9	20
5	Field work ● Visit to a local area to document environmental assets river/ forest/ grassland/ hill/ mountain. ● Visit to a local polluted site-Urban / Rural / Industrial / Agricultural. ● Study of common plants, insects, birds. ● Study of simple ecosystems-pond, river, hill slopes, etc. (Field work Equal to 5 lecture hours).	9	20

Text Books:

Sr. No.	Books
1	Textbook for Environmental Studies By Erach Bharucha For UGC and Bharat Vidhyapeeth Institute of Environment Education and Research, Pune.

Reference Books:

Sr. No.	Books
1	Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
2	Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380 013, India, Email:mapin@icenet.net (R
3	Environmental Studies and Climate Change 1st Edition 2022 Softbound by Sobti, R C, CRC Press
4	Climate Change and Environmental Issues by Narayan Singh and Amit Kumar Thakur – Teri Press

List of Open Source Software/learning website:

1. <https://swayam.gov.in/>

LAB/Practical

Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	Gain knowledge about environment and ecosystem.	2 Understanding 3 Applying
CLO2	Students will learn about natural resource, its importance and environmental impacts of human activities on natural resource.	1 Remember 2 understand 4 Analyze
CLO3	Gain knowledge about the conservation of biodiversity and its importance.	3 Applying 4 Analyze
CLO4	Aware students about problems of environmental pollution, its impact on human and ecosystem and control measures.	2 Understanding 3 Applying 4 Analyze
CLO5	Students will learn about increase in population growth and its impact on environment.	2 Understanding 3 Applying

Mapping of CLOs with Pos & PSOs

Course Learning Outcomes	Program Outcomes (POs)								Program Specific Outcomes (PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CLO1	M							M	M	
CLO2	M	M	H			L	M		M	M
CLO3		L		M		M		M	H	
CLO4	H	M	M			H				M
CLO5	M		M	M				M	H	

H: High, M: Medium, L: Low
