

COURSE TITLE	ENVIRONMENTAL STUDIES
COURSE CODE	04BC0206
COURSE CREDITS	2

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

- 1 Understand and realize the multidisciplinary nature of Environment & its components.
- 2 Know the importance of natural resources for the sustainable development of life.
- 3 Understand the effect of growing population on the Environment.
- 4 Classify the different types of pollution and measure to control pollution
- 5 Learn about the Environmental issues faced globally and various steps taken globally to solve such Environmental issues.

Pre-requisite of course:NONE

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
2	0	0	50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	Introduction and Ecology, Population and Environment Introduction to Environment, Ecology, Ecosystem, Factors Affecting Human Settlement, Define Over Population & Explain the Cause, Effect on Environment & Control of it, Methods of Population forecasting, Governmental bodies for Environmental protection	8
2	Environmental Resources Forest resources, Energy resources, Water Resources and Land Resources, Environmental Pollution Water pollution, Air & Noise Pollution, Environmental sinks, solid and hazardous waste, E-waste & Biomedical waste, Introduction to Green chemistry	12
3	Global Environmental Issues Green house Effect, Global warming, ozone layer depletion, Climate change, Acid Rain, Global Efforts to control issues	4
Total Hours		24

Textbook :

- 1 Environmental Studies, Erach Bharucha, Universities Press (India) Private Ltd, Hyderabad, 2013

Textbook :

- 2 Basics of Environmental Studies, Prof Dr N S Varandani, LAP -Lambert AcademicPublishing , Germany, 2013
- 3 Environmental Studies, Deeksha Dave & S S Kateva, Cengage Publishers, 1

References:

- 1 Environmental Studies, Environmental Studies, Anindita Basak, Drling Kindersley (India)Pvt. Ltd Pearson, 1st
- 2 Environmental Studies, Environmental Studies, Daniel B Botkin & Edward A Keller, John Wiley & Sons, 1st
- 3 Environmental Studies, Environmental Studies, R. Rajagopalan, Oxford University Press, 1st
- 4 Environmental Studies, Environmental Studies, Benny Joseph, TMH publishers, 1st
- 5 Environmental Studies, Environmental Studies, Dr. Suresh K Dhameja, S K Kataria & Sons New Delhi, 2007

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
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

- 1 THEORY

Supplementary Resources:

- 1 <https://www.environmentandsociety.org/>