

Gujarat University
Semester- II
Course on Environmental Studies
Course Code: 127 - A
For all Undergraduate Programs
(Value Added Course)
(w.e.f 2023-2024)

A basic knowledge of environment is today considered useful for all people. It would motivate them to understand the critical environmental concerns as well as enable them to cope with related developmental needs. The course on Environmental Studies reinforces this basic education needs for integrating ecological values of development with curricular environmental education. The present course aims at fostering environmental awareness and concern among the people in general and a better understanding of how environmental issues may be approached for initiating correctives.

Course Outcome (CO)

Students will be able to:

- Demonstrate mastery of core ecological and physical science concepts and methods as they pertain to environmental problem-solving.
- Demonstrate mastery of core social science concepts and methods as they pertain to environmental problem-solving.
- Recognize and integrate the international, cross-cultural, and transdisciplinary nature of environmental problems in analyses and solutions.
- Produce a culminating/multi-scale piece of work demonstrating the ability to synthesize concepts and methods to make a contribution to environmental solutions.
- Apply proficiency in analytical methods, critical thinking, communication, and leadership skills sufficient to make a contribution in environmental and related fields.
- **Prerequisite: 12th Pass**

Corequisite: Learner can join different programs on the same topic on various online Portal recognized by the UGC.

Evaluation Pattern

	Total Marks
Internal	25
External	25

Semester: 2

Course Credit: 2

Course Duration: 40 Hrs.

Unit	Topic
1	<ul style="list-style-type: none">• Environment – An Introduction, Our Environment, Linkages in Nature, Biomes of the Worlds, Communities in Nature• Environment and Conservation Ethics - Conservation through Ages, Environmental Parameters and Tourism, Indian Philosophy and Environment
2	<ul style="list-style-type: none">• Environmental Issues and Tourism Development – Environment and Development, Concepts and Development, Responsible Tourism- Benefits• Environment, Community and Tourism- Access, Infrastructure and Land Use- Basic Issues, Community and Regional Assets, Multiplier Effect: Benefits and Consequences.• Tourism as a Tool for Conservation- Practice and Potential, Site and Locational Planning , Regional Planning , Alternatives

Reference Books

- Environmental Science: Toward A Sustainable Future by Dorothy F. Bourse and Richard T. Wright
- Social Learning in Environmental Management: Towards a Sustainable Future by Meg Keen, Valerie A. Brown, Rob Dyball
- Principles of Environmental Science by William P. Cunningham and Mary Ann Cunningham
- Visualizing Environmental Science by Linda R. Berg, Mary Catherine Hager and David M. Hassenzahl
- Environmental Studies From Crisis to Cure by R. Rajagopalan
- Environmental Science: Systems and Solutions by Michael L. McKinney, Robert M. Schoch, Logan Yonavjack and Grant A. Mincy
- Environmental Science: A Global Concern by William P. Cunningham and Mary Ann Cunningham
- Fundamental Concepts in Environmental Studies by Dr. D.D Mishra
- Chemistry of the Environment by Thomas Spiro, Kathleen Purvis-Roberts and William M. Stigliani
- Energy and Civilization: A History by Vaclav Smil