

# Multidisciplinary nature of environmental studies



## Presentation

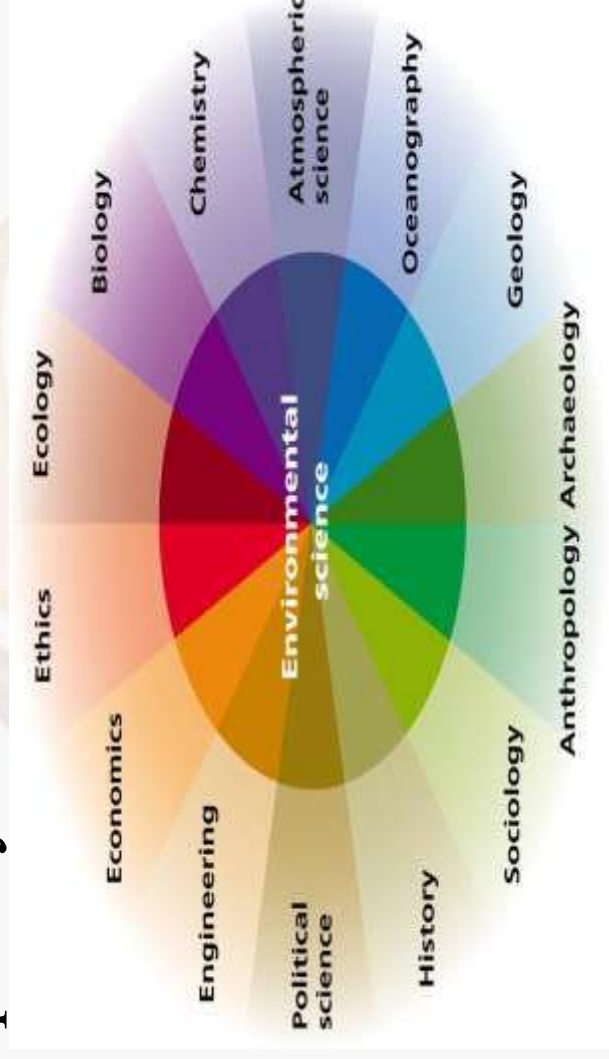
- 1) OBJECTIVE OF ENVIRONMENTAL STUDIES
- 2) PRINCIPLES OF ENVIRONMENTAL STUDIES
- 3) SCOPE OF ENVIRONMENTAL STUDIES
- 4) IMPORTANCE OF ENVIRONMENTAL STUDIES
- 5) NEED FOR PUBLIC AWARENESS

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## Objective of environmental studies

- According to UNESCO (1871), the objectives of environmental studies are:
  - Creating awareness about environmental problems among peoples
  - Imparting basic knowledge about the environment and related problems.
  - Developing an attitude of concern for the environment
  - Motivating public to participate in environmental improvement .
  - Acquiring skills to help the concerned individuals identify and solve environmental problems.

## Multidisciplinary Nature of Environmental Studies



Environmental Studies requires skills that encompass a range of disciplines including chemistry, biology, earth sciences, atmospheric science, statistics, mathematics, and geography.

## Principles of environmental studies

- According to UNESCO ,the guiding principles of environmental education should be as follows :
- ❑ Environmental study should be compulsory ,right from the primary up to the post graduate stage.
- ❑ Environmental should have an inter-disciplinary approach by including physical ,chemical ,biological as well socio cultural aspects of the environment .

- it should build a bridge between biology and technology
- Environmental education should take into account the historical perspective ,the current and the potential historical issues.
- Environmental education should emphasize the importance of sustainable development eg: economic development without degrading the environment .
- Environmental education should emphasize the necessity of seeking international cooperation in environmental planning .
- Environmental education should lay or stress on practical activities.

## Scope of Environmental Science

- Our surrounding includes forest, rivers, mountains, desert, or a combination of these elements.
- Most of us live in landscapes that have been heavily modified by the human beings in villages, towns and cities.
- But even those of us who live in cities get our food supply from surrounding villages.
- We use water to drink and other day to day activities, we breath air, we use resources from which food is made.
- Our dependence on nature is so great that we cannot continue to live without protecting the earths environmental resources.

## **SCOPES**

- Ecosystem structure and function



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- **Conservation of natural resources:**

The management and maintenance of forests and wildlife comes under natural resources conservation .it is also a scope of environmental studies.



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- **Environmental pollution control:**
- With the knowledge of environmental science everybody can control pollution .People can handle waste management and also look for ways to control pollution on the aspect of pollution control .



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- **Environmental management:** these are managing the environmental issues ,they are giving optimum solutions to the upcoming problems .They give direction for controlling pollution due to industrial development.



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- **Research and development:** Some universities conduct research studies in order or develop the methods towards monitoring and controlling the sources of environmental pollution.



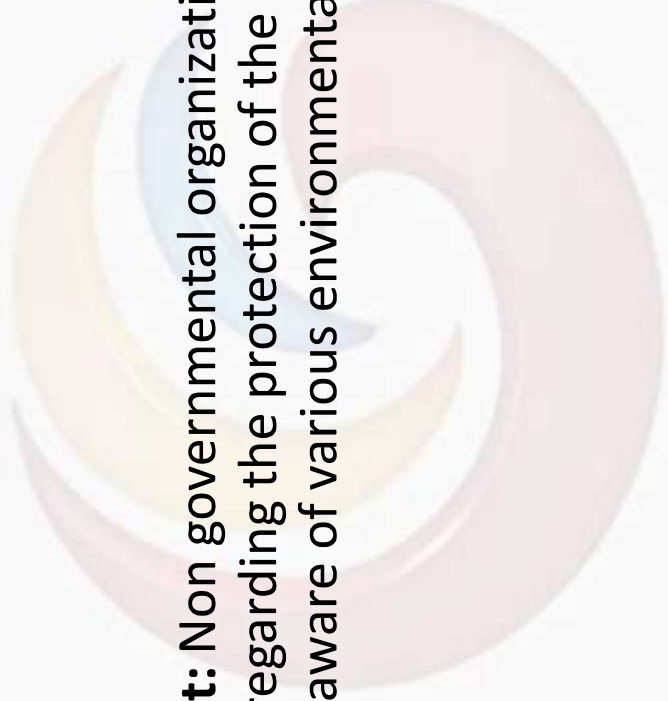
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# School of Nursing

Course Code : BSCN3006

Course Name: Environmental studies

- **Social development:** Non governmental organizations (NGO), help create awareness regarding the protection of the environment and making the people aware of various environmental studies.



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## Importance of Environment

- Environment is not a single subject. It is an integration of several subjects that includes **both science and social science**. To understand all the different aspects of our environment we need to understand **biology, chemistry, physics, geography, resources management, economics and population issue**. Thus the scope of environmental studies is extremely wide and covers some aspects of nearly every major discipline.
- We will in a world in which **natural resources are limited**. Water, air, soil, minerals, oils, the product we get from the forests, grasslands, oceans, and from agriculture and from livestock are all the part of our life support system. Without them life it self will be impossible.

## Importance of Environmental Studies

- Environmental Studies is useful in checking environmental pollution and related solutions.
- It helps in maintaining ecological balance.
- It helps to gain skills to assess the environmental impact of activities. Environmental study will help to protect biodiversity.
- It gives us basic knowledge of environment and associated problems.
- It helps to achieve sustainable development .
- It helps to educate people regarding their duties towards the protection of environment.

## Need for Public Awareness

- Earth's resources in our environment is being increasingly degraded by human activities and hence something needs to be done.
- Government alone cannot perform all the clean-up functions.
- Individual/group efforts in their own every possible way has to be made to protect our environment.
- Mass public awareness: newspapers, radio, television strongly influences public opinion on conserving our environment.



## Methods for Public Awareness

- Environmental education
- Through media
- Through organizing seminars & conferences
- Entertainment
- Science centers
- Involvement of youth
- Through print, broadcast and internet

## Evaluation

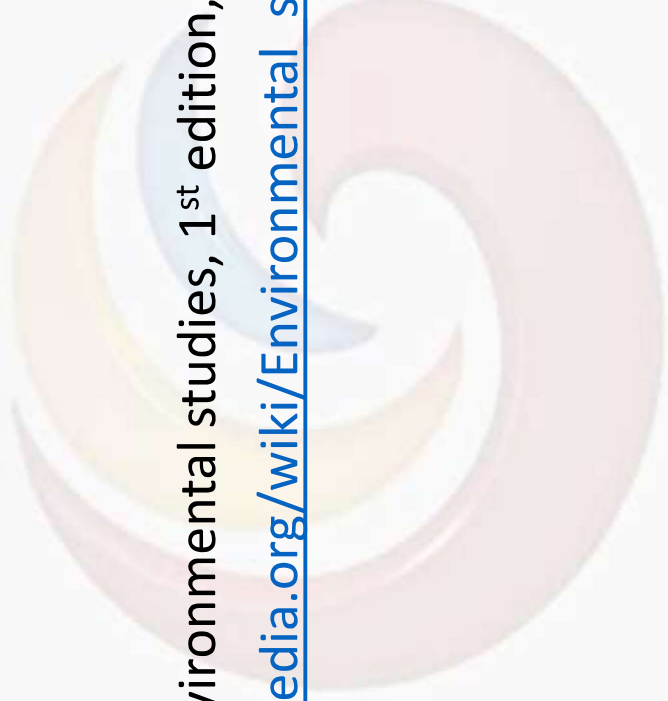
- 1.-----Fresh water is available for human consumption.
2. Anthropology deals with -----
3. Which segment is called as blanket of gases  
Atmosphere  
Hydrosphere  
Biosphere  
Lithosphere
- 4 Nitrogen gas exists in environment with the percentage of -----
- 5 Which sphere is dealing with minerals and soil -----

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1. H M Saxena, Environmental studies, 1<sup>st</sup> edition, page no: 10-15
2. [https://en.wikipedia.org/wiki/Environmental\\_science](https://en.wikipedia.org/wiki/Environmental_science)



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