

ENVIRONMENTAL STUDIES & GENDER SENSITIZATION

Credits: 3

Subject Code: ES23301

Semesters: III

No. of lecture hours: 45

Objectives:

- To understand the importance of ecological balance for Sustainable Development
- To understand the impacts of developmental activities and mitigation measures
- To understand the environmental policies and regulations.
- To develop students' sensibility with regard to issues of gender in contemporary India
- To provide a perspective on the socialization of men and women
- To expose the students to debate on the politics and economic works and on gender violence.

Outcome:

- Students will gain knowledge on environmental aspects and involve themselves in acquiring a sustainable environment.
- Students will be sensitized towards gender issues in the society and the laws enforced for their protection.

Course Outcomes:

CO1: Understand the importance of Environmental education, conservation of natural resources & understand the importance of ecosystems and biodiversity.

CO2: Understand the pollution problems and apply the environmental science knowledge on solid waste management, disaster management.

CO3: Apply the environmental science knowledge to improve the resources Evaluate and understand the sustainable environmental conditions and control methods.

CO4: Identify the interactions and inter sections of identities (e.g., gender, race, ethnicity class, sexuality, and so on) and assess the ways in which they contribute to instances of privilege and power dynamics across cultures, space, and time. And their problems

COS: Understand the gender problems and ways of addressing them, including interactions across local to global scales in communities and overcome inequalities with legislation

UNIT-I

NATURAL RESOURCES, ECOSYSTEMS & Biodiversity 9hrs

- Definition, Scope and importance of environmental studies.
Need for public awareness.
- Renewable & Non-Renewable resources, Brief account on Forests, Water, Minerals and Energy (Solar, Wind, and Geo-thermal & Bio-energy).

- Definition of Ecosystem, Structure and functions-food chains, food webs, ecological pyramids, producers, consumers and decomposers. Energy flow and example ecosystems--Forest, Desert, Aquatic ecosystem
- Definition of Biodiversity, types (Genetic, Species, Ecosystem), India-mega diversity Nation.
- Hotspots, Threats to biodiversity, Conservation of biodiversity (In-Situ and Ex-Situ).

UNIT -II

ENVIRONMENTAL POLLUTION

9hrs

- Definition of Environmental pollution

Brief account on causes, effects, prevention and control measures of

- a. Air pollution
 - b. Water Pollution
 - c. Soil pollution
 - d. Noise pollution
- Solid Waste Management: Causes, Effects & Control measures of urban
 - Disaster Management: floods, Earthquakes, and Cyclones.

UNIT-III

Social Issues and Environment

9hrs

Rain-Water Harvesting, Water-shed Management, and From Unsustainable to Sustainable Development.

- Global Warming, Ozone depletion, and Acid rains
- Environmental Legislation: Air Act, Water Act, Environmental Protection Act, Forest Act, Wildlife Act.
- Environmental & Human Health-HIV/AIDS
- Welfare Programs-Family, Women & Child Welfare, Population Explosion
- Role of Information Technology in Environmental Studies.

UNIT-IV

Gender Studies

9hrs

Why should we study gender issues?

Socialization-Making women and making men

Being together as equals-Through the lens of gender

- Missing women: Gender selection and its consequences
- Health issues of Women

UNIT-V

Gender & Labour -Gender Violence & Law

9hrs

- Housework: The invisible labour-my mother doesn't work "share the load"
- Women's Work: Role in Politics and Economics Fact and Fiction. Unrecognized and Unaccounted work. Wages and Conditions of Work.
- Sexualharassment--saynoeveteasing--thecaste-basedviolence--NirbhayaAct
- Domestic violence-Is home a safe place? - Blaming the victim. -Domestic violence Act