ENVIRONMENTAL STUDIES & GENDER SENSITIZATION

Credits : 3 Semesters: III & IV
Subject Code : ES26301&ES26401 No. of lecture hours: 45

Objectives:

- To understand the importance of ecological balance for Sustainable Development
- To understand the impacts of developmental activities and its mitigation measures
- To understand the environmental policies and regulations
- To develop student sensibility to issues of gender
- To provide perspective on the socialization of men and women
- To expose the students to debate on politics and economic works and on gender violence

Outcome:

- Gain knowledge on environmental aspects and involve themselves in acquiring a sustainable environment and to safeguard the Earth's environment and resources.
- 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 ecosystems and biodiversity conservation

CO2: Understand the various pollution problems and mitigation measures, solid waste management and disaster management

CO3: Learn about current social issues, Indian Environmental Laws, International treaties and Sustainable development goals (SDGs).

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

CO5: Understand the gender problems and ways of addressing them, including interactions across local to global scales in communities and overcome inequalities with legislation

MODULE: I

MULTIDISCIPLINARY NATURE OF EVIRONMRNTAL STUDIES, NATURAL RESOURCES, ECOSYSTEMS AND BIODIVERSITY 9hr

- Definition, Scope and multidisciplinary nature of environmental studies.
- Renewable & Non-Renewable resources Forest, Water, Mineral and Energy Resources (Coal, Petroleum, Natural Gas, Solar, Wind, Hydro, Geo-thermal & Bioenergy).
- Definition of Ecosystem, Structure and Functions; Examples of ecosystems (Terrestrial and Aquatic ecosystems).
- Definition of Biodiversity, Types (Genetic, Species, Ecosystem), India a mega biodiversity Nation. Hotspots, Threats to biodiversity, Conservation of biodiversity.

MODULE: II

ENVIRONMENTAL POLLUTION AND MANAGEMENT 9hr

- Definition, Causes, effects and control measures of
  1. Air pollution
  2. Water Pollution
  3. Soil pollution
  4. Noise pollution
- Solid Waste Management: Causes, Effects & Control measures of municipal waste
- Disaster Management: Floods, Earthquakes, volcano eruptions and Cyclones
- Role of IT in Environmental Studies

MODULE: III

ENVIRONMENTAL ISSUES, LEGISLATION AND SDGs 9hr

- Climate change, Global Warming, Ozone layer depletion, Acid rains and Carbon Sequestration
- Major Indian Environmental Laws:
  1. Wildlife (Protection) Act 1972
  2. Water (Prevention and Control of Pollution) Act 1974
  3. Forest (Conservation) Act 1980
  4. Air (Prevention and Control of Pollution) Act 1981
  5. The Environment (Protection) Act 1986
- Major International Environmental Treaties and agreements
- Sustainable Development Goals (SDGs)-targets and indicators, challenges and strategies for SDGs

MODULE: IV

GENDER STUDIES 9hr

- Why should we study gender issues
- Socialization-Making women and men
- Being together as equals-Through lens of gender
- Missing women: Gender selection and its consequences
- Health Issues of Women

MODULE: V

GENDER&LABOUR-GENDERVIOLENCE AND LAW 9hr

- House work: The invisible labor-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
- Sexual Harassment-say no to Eve teasing -Caste based violence- POCSO Act 2012 Nirbhaya Act 2013.
- Domestic Violence Act 2005 -Is home is a safe place?

SUGGESTED READINGS:

1. Rajagopalan R.2015. Environmental Studies-from Crisis to Cure. Third Edition. Chennai: Oxford University Press.
2. Dr D Asthana and Dr Meera Asthana. 2014. A Textbook of Environmental Studies. S. Chand & Company.
3. Anubha Kaushik and C.P. Kaushik Published. 2016. Perspectives in Environmental Studies. New Age International.
4. Environmental Science – William P. Cunningham – Barbara Woodworth Saigo WBC Publishers.
5. "Towards a World of Equals: A Bilingual Textbook on Gender" written by A. Suneetha, Uma Bhrugubanda, Duggirala Vasanta, Rama Melkote, Vasudha Nagaraj, Asma Rasheed, Gogu Shyamala, Deepa Sreenivas and Susie Tharu published by Telugu Academy, Telangana Government.