



Course Title: Environmental Studies - II

Course Code: EVS102

Credit Units: 02

L	T	P/ S	SW/F W	TOTAL CREDIT UNITS
2	-	-	-	2

Course Objectives: The goal of this course is to provide students basic knowledge of environment and their role in life sustenance. The students are expected to identify and analyze environmental problems as well as the risks associated with them.

Pre-requisites: Basic concepts of environmental study are essential

Student Learning Outcomes:

Student can **recognize** the environmental problem associated with development

Apply the gained knowledge for the environmental conservation and sustainability.

Demonstrate an integrative approach to environmental issues with a focus on sustainable environmental management.

Develop an ability to integrate the disciplines related to environmental concerns.

Formulate the critical thinking skills for environmental protection

Course Contents/Syllabus:	Weight age (%)
Module I: Environmental Pollution	40
Descriptors/Topics Definition Cause, effects and control measures of :- a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution	

<p>e. Noise pollution f. Thermal pollution g. Nuclear hazards</p> <p>Solid waste Management : Causes, effects and control measures of urban and industrial wastes.</p> <p>Role of an individual in prevention of pollution.</p> <p>Pollution case studies.</p> <p>Disaster management: floods, earthquake, cyclone and landslides.</p>	
<p>Module II: Social Issues and the Environment</p>	<p>30</p>
<p>Descriptors/Topics</p> <p>From Unsustainable to Sustainable development</p> <p>Urban problems related to energy</p> <p>Water conservation, rain water harvesting, watershed management</p> <p>Resettlement and rehabilitation of people; its problems and concerns. Case Studies</p> <p>Environmental ethics : Issues and possible solutions.</p> <p>Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies.</p> <p>Wasteland reclamation.</p> <p>Consumerism and waste products.</p> <p>Environment Protection Act.</p> <p>Air (Prevention and Control of Pollution) Act.</p> <p>Water (Prevention and control of Pollution) Act</p>	

Wildlife Protection Act	
Forest Conservation Act	
Issues involved in enforcement of environmental legislation.	
Public awareness	
Module III : Human Population and the Environment	20
Descriptors/Topics	
Population growth, variation among nations.	
Population explosion – Family Welfare Programme.	
VII	
Environment and human health.	
Human Rights.	
Value Education.	
HIV/AIDS.	
Women and Child Welfare.	
Role of Information Technology in Environment and human health.	
Case Studies.	
Module -VI: Field Work (Practical)	10
Descriptors/Topics	
Visit to a local area to document environmental assets-river/forest/grassland/ hill/mountain.	
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural.	
- Study of common plants, insects, birds.	
- Study of simple ecosystems-pond, river, hill slopes, etc.	

Pedagogy for Course Delivery: Lecturers, Writing on Board, Power point presentation, discussion of various Case studies and environmental based projects.

Assessment/ Examination Scheme:

Theory L/T (%)	Lab/Practical/Studio (%)	Total (%)
100	NA	100

Theory Assessment (L&T):

	Continuous Assessment/Internal Assessment				End Term Examination
Components (Drop down)	CT	HA	Att.	S/V/Q	EE
Weightage (%)	10	5	5	10	70

Text & References:

1. Khaushik & Khaushik, “Fundamentals of Environmental Studies”
2. Somvanshi & Dhupper “Fundamentals of Environmental Studies”
3. Gauba& Bisht “ Environmental Studies, Challenges & Solutions A quick Compendium
4. Dave & Katewa “A textbook of Environmental Studies