

**CURRICULUM AND CREDIT FRAMEWORK FOR
UNDERGRADUATE PROGRAMMES**

Syllabus for

**Department of Environmental Science
Nagaland University**

2023

MULTIDISCIPLINARY COURSES

Course Code	Title of the Course	Credit	Semester
MD-1	Environmental Science	3	1

MULTIDISCIPLINARY COURSE: ENVIRONMENTAL SCIENCE

Unit 1: Ecosystem and the Environment

Definition, Scope and importance of Environmental science; Concept, Structure and functions of an Ecosystem; Bio-geographical classification of India; Value of biodiversity; Need for Public awareness towards conservation.

Unit 2: Natural Resources

Renewable and non-renewable resources; Use and over exploitation of natural resources; Role of individual in conservation of natural resources.

Population growth; Impact of human population growth on natural resources and environment; Sustainable development.

Unit 3: Environmental Pollution, Laws & Management

- a. Definition, Causes, Effects and Control/Preventive measures of Air, Water, Soil and Noise pollution.
- b. Legal, administrative and constitutional provisions for environmental protection in India; Evolution and development of International Environmental laws and treaties; Concept and scope of environmental Management; Solid waste management; Waste-to-wealth technologies.

Unit 4: Environmental hazards

Definition - Hazard, vulnerability and risk; Strategies for mitigation - warning system, forecasting, emergency preparedness; Education and Training Activities, planning for Rescue and Relief works.

Suggested Readings:

1. Bharucha Erach (ed) Text Book of Environmental Studies., University Press (India) Pvt. Ltd.
2. Bharucha Erach, 2003. The Biodiversity of India, Mapin Publishing Pvt. Ltd, Ahmedabad – 380013,
3. India Santra S.C, (ed), Environmental Science, New Central Agency Pvt Ltd. Kolkata, India.
4. Kaushik, Anubha & Kaushik, C.P. 2006. Perspectives in Environmental Studies, New Age International (P) Ltd. Publisher, New Delhi.
5. Singh Savindra 2003. Environmental Geography, Prayag Pustak Bhawan, Allahabad

Legal, Administrative and constitutional
Provision for Environmental protection
in India

Submitted by
Sapyigongke Ndamg
S23325

A paper submitted in partial fulfilment
for the award of the degree of

BACHELOR of ART
in

Multi disciplinary Course Environmental
Science

Under the Supervision of
Miss. Puiranglung

St. Xavier College
Jalukie

26 - 10 - 2023

Checked

LEGAL ADMINISTRATION AND
CONSTITUTIONAL PROVISIONS
FOR ENVIRONMENTAL PROTECTION
IN INDIA

Submitted by
Haisuihingle
S23293

A paper submitted in partial fulfilment
for the award of the Degree of
BACHELOR OF ARTS
in
ENVIRONMENTAL SCIENCE

Under the Supervision of
Miss PUIRANGLUNGLE

ST. XAVIER COLLEGE, JALUKIE

25th October, 2023

Checked
25/10/23