

DINABANDHU MAHAVIDYALAYA



Bongaon, North 24 Parganas, West Bengal, Pin-743235

E-mail ID : info@dinabandhumahavidyalaya.org

Website : www.dinabandhumahavidyalaya.org

NAAC ACCREDITED - 2016 (Second Cycle)

Affiliated to West Bengal State University & Formerly under University of Calcutta

Registered under 2(f) & 12(B) of U.G.C. Act 1956

ESTD : 1947

Ref.....

Date

ADD ON Course Title: Environmental Geography

Organised by
Department of Geography
Session 2023-2024

Objectives of the course:

1. To Understand fundamental concepts and theories in environmental geography.
2. To Analyze human-environment interactions at local, regional, and global scales.
3. To Evaluate environmental issues and their societal implications.
4. To Develop critical thinking and problem-solving skills in addressing environmental challenges.
5. To Apply geographical methods and tools to investigate environmental phenomena.

Course Coordinator

➤ Bidisha Barua

Assistant Professor and Head, Department of Geography, Dinabandhu Mahavidyalaya,
Bongaon

General Information

Duration : 40 hours

Entry Qualification : Honours and General Students of Geography and Pure Science

Language : Bengali / English

Venue : Dinabandhu Mahavidyalaya, Bongaon

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Syllabus of Environmental Geography

Introduction to Environmental Geography

- Definition and scope of environmental geography
- Historical perspectives and key concepts
- Interdisciplinary nature of environmental studies

Geographical Perspectives on Ecosystems

- Concepts of ecosystems and biomes
- Biodiversity and ecological processes
- Human impacts on ecosystems

Climate and Weather Systems

- Basics of climatology and meteorology
- Climate change: causes, impacts, and mitigation
- Weather patterns and atmospheric phenomena

Natural Resource Management

- Types of natural resources (water, land, minerals, etc.)
- Resource extraction and exploitation
- Sustainable resource management practices

Human Impacts on the Environment

- Population dynamics and environmental impacts
- Urbanization and land use change
- Pollution and environmental degradation

Conservation and Sustainability

- Principles of conservation biology
- Conservation strategies and protected areas
- Sustainable development goals and initiatives

Case Studies and Applications

- Analyzing environmental issues through case studies
- Field trips or virtual tours to explore local environmental challenges
- Group projects or presentations on specific environmental topics

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Course Schedule		
Name of the Faculty	Topic	Time
Smt. Bidisha Barua	Definition and scope of environmental geography Historical perspectives and key concepts Interdisciplinary nature of environmental studies	4 hour
Dr. Raja Majumder	Concepts of ecosystems and biomes Biodiversity and ecological processes Human impacts on ecosystems	4 hour
Smt. Bidisha Barua	Basics of climatology and meteorology Climate change: causes, impacts, and mitigation Weather patterns and atmospheric phenomena	4 hour
Smt. Bidisha Barua	Types of natural resources (water, land, minerals, etc.) Resource extraction and exploitation Sustainable resource management practices	4 hour
Dr. Raja Majumder	Population dynamics and environmental impacts Urbanization and land use change Pollution and environmental degradation	4 hour
Dr. Raja Majumder	Principles of conservation biology Conservation strategies and protected areas	4 hour
Smt. Bidisha Barua	Sustainable development goals and initiatives	4 hour
Smt. Bidisha Barua	Analyzing environmental issues through case studies	4 hour
Dr. Raja Majumder	Field trips or virtual tours to explore local environmental challenges	4 hour
Dr. Raja Majumder	Group projects or presentations on specific environmental topics	4 hour

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Reference:

Textbook:

- "Environmental Geography: Science, Land Use, and Earth Systems" by William M. Marsh and John P. Grossa

Additional Resources:

- Academic articles, case studies, and multimedia materials
- Online databases and geographical information systems (GIS) tools
- Guest lectures and expert talks on relevant topics

Dr. Biswajit Ghosh
Principal

Dr. Biswajit Ghosh
Principal / Secretary
DINABANDHU MAHAVIDYALAYA
Bongaon, 24Pgs(N)

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Date. 14.11.2023

Notice

This is to notify that an ADD ON course on “ **Environmental Geography**” will be held w.e.f. 28.11.2023 onwards for B.A./B.Sc.Honours and General Students of Geography and Pure Science (conducted by Department of Geography and Department of Computer Science).

All registered students should be present in the course as per schedule, routine, syllabus and Google form will be provided in due time.

Last Date of Submission: 30.11.2023

Course Duration: 40 hours

Dr. B. Ghosh
Principal
Dinabandhu Mahavidyalaya,
Bongaon