



# DEPARTMENT OF GEOGRAPHY

## DEOMORNOI DEGREE COLLEGE

P.O.: Deomornoi, Dist.: Darrang (Assam), PIN-784147

Established: 1995

Ref. No-

Date: 04/08/2025

**Department of Geography**  
**Course Outcome & Programme Outcome**  
**NEP- 2020 (FYUGP)**

### Semester- I

**Course Name: Introduction to Physical Geography**  
(Compulsory)  
**Course Code: GGY0100104**  
**Course Level: Foundation and Introductory**

#### Course Outcome (CO):

After completing the course, students will be able to:

1. **Understand the Evolution of Physical Geography:** Comprehend the growth of nature-centric geography and the evolution of physical geography as a field of study focused on Earth processes.
2. **Master Geomorphology Concepts:** Grasp the significance of geomorphology and understand fundamental concepts like catastrophism, uniformitarianism, and Davisian landform development theories.
3. **Analyze Climatic Systems:** Evaluate climatological concepts, including heat budget, temperature-pressure relationships, and wind systems, in the context of geographical studies.
4. **Study Oceanographic Principles:** Understand the significance of oceanography and key concepts like the origin of ocean basins, ocean currents, and the temperature-salinity relationship.
5. **Explore Biogeographical Systems:** Gain insight into biogeography, its significance, and core concepts such as biosphere, ecology, ecosystems, and biodiversity.

#### Programme Outcome (PO):

By the end of the program, students will:

1. **Develop a Deep Understanding of Physical Geography:** Acquire a comprehensive understanding of physical geography's scope, branches, and interdisciplinary connections with other fields.
2. **Apply Geomorphological Knowledge:** Use the fundamental concepts of geomorphology to analyze Earth's landforms and their development.
3. **Analyze Climatic and Oceanographic Systems:** Analyze climate patterns and oceanographic features and their implications for the environment.
4. **Understand the Biodiversity Framework:** Apply knowledge of biogeography to understand ecological systems, biodiversity, and the interdependence of living organisms with their physical environment.
5. **Enhance Critical Thinking and Research Skills:** Foster critical thinking through the study of various earth systems and their interactions, developing skills for research and analysis in geographical contexts.

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### Semester- III

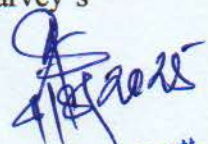
**Course Name: Geography as a Spatial Science**  
**(Compulsory)**  
**Course Code: GGY0300104**  
**Course Level: Intermediate**

#### Course Outcomes (COs)

1. **Understand the Scope of Geography:** Define geography as the study of the earth as the home of humans and explain its position in relation to natural and social sciences, including its multidisciplinary nature.
2. **Explain Spatial Concepts in Geography:** Describe geography as a spatial science by understanding key spatial concepts such as space, place, region, and territory; differentiate between absolute and relative space.
3. **Apply Basic Geographical Approaches:** Distinguish between systematic and regional approaches; ideographic and nomothetic methods; and understand the difference between pure and applied geography.
4. **Perform Basic Spatial Analysis:** Analyse spatial elements such as location, and interpret point, line, and area patterns in geographical contexts.
5. **Understand Scientific Methods in Geography:** Explain inductive and deductive methods in geographical research and describe Harvey's basic modes of geographical explanation: cognitive, morphometric, cause-effect, temporal, functional, and system-based.

#### Programme Outcomes (POs)

1. **Develop a Foundational Understanding of Geography:** Gain a conceptual framework of geography as a discipline that studies the relationship between humans and their environment.
2. **Build Competence in Spatial Thinking:** Apply spatial concepts and patterns to understand geographic phenomena and real-world spatial issues.
3. **Utilize Geographical Approaches and Methodologies:** Use various geographical approaches and methods to analyse physical and human environments systematically.
4. **Strengthen Analytical Skills in Geography:** Conduct spatial analysis using basic tools and methods, enhancing data interpretation skills and map-based reasoning.
5. **Adopt a Scientific Outlook in Geographical Research:** Integrate scientific reasoning into geographical inquiry through inductive-deductive logic and theoretical frameworks like Harvey's modes of explanation.

  
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**NEP- 2020 (FYUGP)**

### Semester- V

**Course Name: Climatology, Biogeography and Oceanography**  
**(Compulsory)**  
**Course Code: GGY0500104**  
**Course Level: Higher**

**Course Objective:**

1. **Raise Awareness:** Sensitize students to global climatological, biogeographical, and oceanographic challenges.
2. **Understanding Environmental Systems:** Develop a comprehensive understanding of the Earth's atmospheric, ecological, and marine systems.
3. **Impact of Human Activity:** Highlight the effects of human actions on climate, biodiversity, and ocean health.
4. **Promote Sustainable Practices:** Encourage solutions for environmental conservation and sustainable resource management.

**Course Outcome:**


1. **Understand Atmospheric Systems:** Comprehend the structure, variations, and classification of the atmosphere, along with weather forecasting techniques.
2. **Study Biogeography and Conservation:** Learn biogeographical approaches, bio-energy cycles, and the importance of conserving forests, wildlife, and soil in India.
3. **Analyze Ecological Factors:** Recognize the role of physical and biological factors in biogeography, focusing on biodiversity, ecology, and ecosystems.
4. **Examine Oceanographic Phenomena:** Analyze submarine topography, ocean currents, and related oceanographic processes.
5. **Apply Practical Skills:** Use maps, graphs, and diagrams to apply knowledge of climatology, biogeography, and oceanography in real-world contexts.

### Semester- V

**Course Name: Quantitative methods in Geography**  
**(Optional)**  
**Course Code: GGY0500204**  
**Course Level: Higher**

**Course Objective:**

1. **Highlight the Importance of Data:** Emphasize the role of data in understanding geographic phenomena and decision-making.
2. **Introduce Data Collection Methods:** Focus on techniques for data collection, including field surveys, observation, and secondary data sources.
3. **Data Organization and Tabulation:** Teach the methods of organizing, structuring, and tabulating geographic data for analysis.
4. **Statistical Analysis:** Apply basic statistical measures to interpret and analyze geographic data.
5. **Understand Geography's Dual Nature:** Explore both the theoretical and practical aspects of geography, demonstrating its pure and applied components.

  
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### Course Outcome:

1. **Understand Quantification in Geography:** Grasp the importance of quantification in geographical studies, along with the advantages and limitations of quantitative methods.
2. **Apply Statistical Measures:** Use measures of central tendency and dispersion to analyze and interpret geographical data.
3. **Understand Sampling Techniques:** Recognize the significance of sampling and its various types in geographical research.
4. **Classify Geographical Data:** Learn to classify geographical data by scale of measurement and understand its sources and nature.
5. **Conduct Advanced Analysis:** Perform time series analysis, correlation, and regression analysis to interpret and predict geographical data trends.

### Semester- V

Course Name: Economic and Resource Geography  
(Optional)

Course Code: GGY0500304

Course Level: Higher

**Course Objective:** This paper intends to introduce students to the principles of economic geography and associated patterns and processes of major economic activities in the world. It seeks to develop new in- sights among students on the relevance of economic geography and associated economic issues in contemporary times.

### Course Outcome:

1. Understand the scope and approaches of economic geography and resources.
2. Recognize and classify various economic activities and analyze the role of production systems.
3. Examine and compare the agricultural sector and models of agricultural location worldwide.
4. Appraise industrial location factors using Weber's theory and understand the distribution and production of various industries globally.
5. Evaluate the modes of transport, its influence on development and role in resource mobilization and economic development

### Semester- V

Course Name: Social, Cultural and Political Geography  
(Optional)

Course Code: GGY0500304

Course Level: Higher

### Course Objective:

1. **Understand Geography's Role in Politics:** Explore how geographic factors influence political structures and issues.
2. **Appreciate Spatial Dimensions:** Recognize the spatial aspects of political phenomena and their geographic impact.
3. **Analyse Social and Political Interactions:** Examine the relationship between social dynamics and geographic factors in political decision-making.

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4. **Develop Critical Insights:** Foster an understanding of how geography shapes political power, borders, and conflicts.

### Course Outcome:

1. Identify, understand, and analyse the concepts in Social Geography and its significance to human development.
2. Comprehend and analyse various types of cultures, the role of cultural diffusion, and the attributes of cultural landscapes.
3. Evaluate social well-being levels and compose ternary diagrams to represent social composition.
4. Generate, analyse, and interpret maps denoting major conflict zones and interstate boundary disputes.
5. Understand the nature and scope of Political Geography, conceptualize geopolitics, and comprehend geographic conflicts in various regions.

### Semester- V

Course Name: Geography of Tourism  
(Optional)

Course Code: GGY0500304

Course Level: Higher

### Course Objective:

1. **Introduction to Tourism:** Introduces students to tourism from a spatial perspective.
2. **Geographical Influence:** Focuses on how tourism and related activities are influenced by the geography of an area.
3. **Impact on Economic, Social, and Environmental Context:** Explores how tourism activities impact economic, social, and environmental aspects from local to global levels.
4. **Developing Insights:** Aims to help students gain a deeper understanding of the interconnection between tourism and geography.

### Course Outcome:

1. **Geography and Tourism Interplay:** Understand the relationship between geography and tourism, including the roles of intermediaries and suppliers.
2. **Types of Tourism:** Differentiate between eco-tourism, cultural tourism, and adventure tourism, with a focus on their sustainability implications.
3. **Tourism Impacts:** Evaluate the economic, environmental, and societal impacts of tourism, and understand national and regional tourism policies.
4. **Tourism Resources in India:** Assess tourism attraction resources, infrastructure, and services, particularly within India and Northeast India.
5. **Tourist Flow Trends:** Conduct a critical analysis of recent trends in tourist flow, using case studies from different geographical contexts in India.

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