

## **Syllabi**

**Four Year Undergraduate Programme (FYUGP)**

**Gauhati University**

**Effective from Academic Year 2023-24**



**GAUHATI UNIVERSITY**  
Guwahati-781014

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# ARTS

Syllabus for  
Four-year Undergraduate Programme  
**Geography**  
Syllabus as per NEP 2020

Course effective from academic year 2023-24



**GAUHATI UNIVERSITY**  
Guwahati-781014

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Four-year Undergraduate Programme

**Subject: Geography**

**Semester: III**

**Course Name: Geography as a Spatial Science**  
(Compulsory)

**Course Level: Intermediate**

100 Marks (Theory =80 Marks, Internal Assessment = 20 Marks)

**Theory (4 Credits, 80 marks, 60 classes of one-hour duration)**

**Unit I:**

Defining the field of Geography: Study of the earth as the home of man; Place of geography in relation to natural and social sciences; the changing definitions of geography and its multi- disciplinary nature.

**Unit II:**

Geography as a spatial science and spatial concepts in geography: Concept of space, place, territory, and region; Geographic space (Absolute Space and Relative Space); Spatial Processes and Patterns (only basic concept) – Spatial distribution, Spatial concentration, Spatial organization, Spatial relationship.

**Unit III:**

Basic Approaches in Geography: Systematic and Regional; Ideographic and Nomothetic; Pure and Applied.

**Unit IV:**

Spatial Analysis in Geography: Concept of location; Concept of point, line, and area patterns.

**Unit V:**

Scientific Approaches in Geography: Inductive and Deductive methods; Harvey's modes of explanations in Geography (only basic concept): Cognitive, Morphometric, Cause and effect, Temporal, Functional and System analysis.

**Reading List**

1. Abler, R., Adams, J. and Gould, P.P., 1971: Spatial Organization: The Geographers' View of the World, Prentice-Hall, Englewood Cliff.
2. Ackerman, E.A., et al, 1965: The Science of Geography, Washington D.C., National Academy of Science/ National Research Council Pub. No. 1277.
3. Adhikari, Sudeepta, 2015: Fundamentals of Geographical Thought, Orient

Blackswan Pvt.Ltd., New Delhi.

4. Chorley, Richard, J. and Haggett, Peter (eds), 1967: Models in Geography, Methuen, London.
5. Chorley, Richard, J., 1973: Directions in Geography, Methuen, London.
6. Dikshit, R.D., 1994: The Art and Science of Geography, Prentice Hall of India, New Delhi.
7. Haggett, P., 2001: Geography: A Global Synthesis, Pearson Education, Essex, UK.
8. Hartshorne, R.,1939: The Nature of Geography, Association of American Geographers, Lan-caster, Penn.
9. Hartshorne, R.,1959: Perspective on the Nature of Geography, Rand Mckully, Chicago.
10. Harvey, D., 1969: Explanation in Geography, St. Martin's Press, New York, 1969.
11. Johnston, R.J. et al.(eds), 1986: The Dictionary of Human Geography, Oxford, Basil Black-well.

**Course Objective:**

- To introduce students to the fundamental concepts of geography as a spatial science.
- To provide students with a strong foundation in spatial data analysis and visualisation.
- To enable students to understand and critically analyse the spatial dimensions of a range of geographic processes.
- To equip students with the skills to develop and apply spatial models and technologies to solve geographic problems.

**Learning outcome:**

- Understanding of the basic concepts of geography as a spatial science.
- Understanding of the methods of spatial analysis and their application in analysing geographic processes.
- Ability to critically analyse the spatial dimensions of a range of geographic processes.

**Theory Credit** : Four (4)

**Practical Credit** : Zero (0)

**No. of Required Classes** : 60

No. of Contact Classes : 40

No. of Non-Contact Classes : 20

Particulars of Course Designer (Department of Geography, Gauhati University, [geography@gauhati.ac.in](mailto:geography@gauhati.ac.in))