# DEPARTMENT OF GEOGRAPHY

## KAKCHING KHUNOU COLLEGE, UMATHEL, GOVERNMENT OF MANIPUR

## 4-YEAR UNDERGRADUATE COURSE

## PROGRAM SPECIFIC OUTCOMES:

Students graduating with the B.A. Geography degree should be able to:

- give explanation of relevant terms and concept of geography including definitions
- gain a comprehensive understanding of the physical aspects of the Earth, including its atmospheric, geological, and ecological systems. They will be able to analyse how these systems interact with each other and influence the planet's overall environment
- develop skills to interpret geographical phenomena and use spatial technologies to analyse data.
- gain hands-on experience in conducting research and fieldwork, collecting and analysing data, and presenting their findings.
- develop their geographical knowledge and integrate it with other disciplines.
- understand the complex interactions between humans and their environment. They will be able to analyse how human activities impact the environment and how environmental changes, in turn, affect human societies.
- understand the functioning of global economies, geopolitics, global geostrategic views and functioning of political systems

## NEW SYLLABUS NEP 2020
## (2022-23 session onwards)

### SEMESTER I

## Core-1: GG 501 (Foundations of Geography)
## Theory + Practical

## COURSE OUTCOME:

On successfully completing this course, students will be able to

- imbibe the meaning of Geography as a subject, its scope and branches

- understand the physical dimension and human dimension of Geography and modern concepts in Geography
- gather ideas about the recent trends in the subject.

## Core-2: GG 502 (Fundamentals of Physical Geography)
## Theory + Practical

## COURSE OUTCOME:

After the completion of this course, the students will:

- gain a perspective on various concepts and development of physical geography
- know the interrelationship with other branches of Earth Sciences
- have comprehensive knowledge on applicability and usage.

## SEMESTER II

## Core-3: GG 503 (Fundamentals of Human Geography)
## Theory + Practical

## COURSE OUTCOME:

From this paper, the students will:

- gain knowledge about major themes of human Geography
- acquire knowledge on the history and evolution of humans
- understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations
- develop an idea about space and society.

## Core-4: GG 504 (Fundamentals of Remote Sensing, Photogrammetry and GPS)
## Theory + Practical

## COURSE OUTCOME:

The students will:

- understand the basic concepts of Remote Sensing and gain necessary skills of remote sensing analysis and image interpretation, so that, they acquire employable skills in remote sensing.
- learn how to handle and process the satellite images for understanding of biophysical phenomena of the earth system.

## SEMESTER III

### Core-5: GG 601 (Geomorphology)
### Theory + Practical

### COURSE OUTCOME:

On completing this course, the students will:

- understand the functioning of Earth systems in real time and analyse how the natural and anthropogenic operating factors affects the development of landforms
- distinguish between the mechanisms that control these processes

### Core-6: GG 602 (Climatology and Hydrology)
### Theory + Practical

### COURSE OUTCOME:

After the completion of this course, students should be able to

- define the field of climatology and to understand the atmospheric composition and structure
- outline the mechanism and process of solar radiation transfer to earth surface and to explain the temperature distribution and variation according to time and space
- illustrate and explain the air pressure system, wind regulating forces and the formation of the Atmospheric Disturbance
- understand and compute the air humidity as well as to explain the process of Condensation and formation of precipitation and its types.

## Core-7: GG 603 (Oceanography and Marine Biodiversity & Ecology) Theory

## COURSE OUTCOME:

The learning outcome of this course are as follows:

- The students would be able to comprehend and establish the relationship between human action and global ocean conditions. They would be able to explain the ocean as a regulator of global climate.
- Illustrate the dynamic ocean bottom topography and appreciate the circulation of cold and warm Ocean currents.
- Discuss the salinity and temperature distribution of ocean water on a three dimensional spatial perspective.
- Elaborate the marine ecosystems as well as explain the problems and address the policies to resolve them.

## SEMESTER IV

## Core-8: GG 604 (Soil Geography and Biogeography) Theory + Practical

## COURSE OUTCOME:

After the completion of this course students will:

- gain knowledge about the factors of soil formation and soil profiles
- understand Physical properties and Chemical properties of the soil
- be able to explain different types of soil and its characteristics
- understand various factors of Soil erosion and mitigations measures
- understand the concept of ecology, ecosystem, Biome and Community
- know about thermodynamic and energy flow in ecosystem
- have enhanced knowledge about biodiversity, wetland-characteristics, degradation and conservation.

## Core-9: GG 605 (Environmental Geography and Climate Change)
## Theory + Practical

## COURSE OUTCOME:

With this course, students will:

- have better understanding of climate changes with reference to Geological time scale
- know in detail about the evidences and factors of Climate change
- be aware of the impact of climate change on all forms of life on the earth and global initiatives taken to mitigate climate change
- be familiar with different vulnerability assessment and adaptive strategies on climate change.

## Core-10: GG 606 (Disaster Management)
## Theory + Practical

## COURSE OUTCOME:

After the course, they will:

- have the knowledge and understanding of the different types Hazards and disasters
- know about the impact of various types of hazards on environment and human life
- be aware of preventive and precautionary measures of different hazards.
- have in-depth understanding of the responses to the disasters.

# SEMESTER V

## Core-11: GG 701 (Economic and Resource Geography)
## Theory + Practical

## COURSE OUTCOME:

When the course ends, the students:

- can distinguish between different types of Economic activities
- will acquire knowledge in Resource conservation and environment

- will develop in-depth knowledge of different types of resources and understand its significance.

## Core-12: GG 702 (Population and Settlement Geography)
## Theory + Practical

## COURSE OUTCOME:

On completing this course, students:

- will understand concept of population geography and demography
- will get better understanding of population dynamics
- can explain theories related to population
- will have an understanding of trends of the population distribution and its causes in different countries of the world
- will understand the impact of population growth and policies adopted to mitigate population problems with reference to India
- will have clear concept of the characteristic of rural and urban settlement
- will know about rural house types and census categories of rural settlement of India
- will learn different theories and functional classification of urban settlement.

## SEMESTER VI

## Core-13: GG 703 (Regional Planning and Sustainable Development)
## Theory + Practical

## COURSE OUTCOME:

From this course, students:

- will develop understanding about Regional Planning and Regional Development
- will understand concept of Metropolitan areas and related models of urban development
- can describe the theory of Regional Planning and Regional imbalances
- will be acquainted with different strategies of regional development.

## Core-14: GG 704 (Statistical Methods in Geography)
## Theory + Practical

## COURSE OUTCOME:

At the end of the course, students will:

- know the significance of statistics in geography
- be acquainted with different types of data and their importance
- be able to apply different types of sampling in data collection
- know how to organize, manage, and present data
- know about central tendency, dispersion, correlation and regression.

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