



V. V. COLLEGE OF SCIENCE & TECHNOLOGY

(Affiliated to University of Calicut)
CHULLIMADA, KANJIKODE
DEPARTMENT OF GEOGRAPHY



PROGRAM OUTCOMES

1. Creating a broad view about physical aspects of the dynamic earth.
2. Understanding general demographic principles and their patterns at regional and global scales.
3. Students will be able to analyze the problems of physical as well as cultural environments and they will try to find out the possible measure to solve them.
4. Apply the knowledge of theories, concepts, techniques and technologies of geography at the local, regional and global scales.
5. Learning to prepare map by using basic survey methods as well as modern cartographic techniques.
6. Developing skill of observation through field experience and the ability to identify the socio-environmental problems of society.
7. Developing the effective communication skill and the power of social interaction.
8. Understanding the spatial connections and complexities of the dynamic world.
9. Developing the capabilities to examine the relationship between local processes and conditions at national and global level.
10. Ability to understand the global natural and social patterns and the processes behind them.
11. Capable to apply the combined knowledge and experience of both theory and practice to solve global issues.

COURSE OUTCOMES

SEMESTER I

CORE; FUNDAMENTALS OF GEOMORPHOLOGY

CO1 : Able to develop basic knowledge about the origin and structure of earth

CO2 : Able to differentiate the evolution of landforms

CO3 : Able to know the concepts of Geomorphology

COMPLEMENTARY; DEVELOPMENT OF GEOGRAPHICAL THOUGHT

CO1 : Able to develop basic knowledge about the evolution of geography.

CO2 : Able to differentiate the dichotomies in geography

CO3 : Able to know the concepts of spatial thinking.

CO3 : Able to understand models and modeling in geography.



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SEMESTER II

CORE; PROCESS GEOMORPHOLOGY

CO1 : Able to develop basic knowledge about endogenic and exogenic movements

CO2 : Able to identify and evaluate the landforms produced by different agents of deposition

CO3 : Able to critically evaluate cycle of erosion

COMPLEMENTARY; SOIL GEOGRAPHY

C01 Able to identify the distribution of soils and their significance

C02 Able to find out the chemical and physical properties of soils

C03 Acquire an idea about soil erosion and its types.

C04 Able to apply different soil conservation and management methods in real life situation.

SEMESTER III

CORE; CLIMATOLOGY

CO1: Able to develop basic knowledge about weather and climate.

CO2: Able to understand atmospheric pressure and winds.

CO3 Identify atmospheric disturbances

CO4: Acquire knowledge on global climatic changes.

COMPLEMENTARY; GEOGRAPHY OF WATER RESOURCES

C01 Able to identify the world distribution of surface water resources and their significance

C02 Able to find out the water conflicts and their solutions

C03 Acquire an idea about heat balance and water budget

SEMESTER IV

CORE; OCEANOGRAPHY

CO1: Able to develop basic knowledge about different oceans of the world

CO2: Able to understand ocean currents and their significance

CO3: Able to understand marine resources

CO4: Acquire knowledge ocean extremes.



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COMPLEMENTARY; DISASTER MANAGEMENT

- C01** Able to differentiate and mapping of geo tectonic hazards and hydrological hazards
- C02** Able to apply GIS in disasters in real life situation
- C03** Able to mitigate and manage disasters in real life situations.

COREPRACTICAL; Representation of Geographical Data and weather map Analysis

- CO1:** Able to develop basic knowledge about latitudes and longitudes
- CO2:** Able to apply techniques to enlarge and reduce the maps
- CO3:** Able to calculate time and International Date Line
- CO4:** Able to develop basic knowledge about functions of scale
- CO5:** Acquire the ability to apply methods to draw scale
- CO6:** Able to draw directions and bearings
- CO7:** Able to develop basic knowledge about maps.
- CO8:** Able to apply methods to draw maps.
- CO9:** Able to making maps using real life data.

COMPLEMENTARY PRACTICAL; RESOURCE MAPPING TECHNIQUES

- CO1:** Able to develop basic knowledge about different types of surveying.
- CO2:** Able to apply techniques to create thematic maps
- CO3:** Able to demarcate watersheds.

SEMESTER V

CORE; HUMAN GEOGRAPHY

- CO1:** Able to develop basic knowledge about stages of human development.
- CO2:** Able to understand relationship between man and environment.
- CO3:** Able to analyze population and their characteristics.
- CO4:** Understanding of geopolitics.

CORE; CARTOGRAPHY

- CO1:** Understanding of basic concepts of cartography.
- CO2:** Understanding the Map Components and functions.
- CO3:** Learning to use cartographical methods of Map making.



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CORE; INTRODUCTION TO GEOINFORMATICS

CO1 : Able to develop basic knowledge about functions of Gis and Remote Sensing

CO2 : Able to apply techniques in disaster management

CO3 : Acquire the ability to apply GIS in real life situations

CORE; METHODOLOGY OF GEOGRAPHICAL STUDIES

CO1: Able to develop basic knowledge about research.

CO2: Able to solve real life geographical problems.

CO3: Able to analyze geographical data.

OPEN COURSE: PHYSICAL GEOGRAPHY

CO1: Able to develop knowledge of geography and its branches

CO2: Able to develop knowledge about movements of earth.

CO3: Analyze the differentiate weather and climate.

CO4: Analyze salient features flora and fauna.

CO5: Able to develop knowledge about oceans and their characteristics.

SEMESTER VI

CORE; WORLD REGION AND ECONOMIC GEOGRAPHY

CO1: Able to develop basic knowledge about functions of regions

CO2: Able to identify distribution of resources, industries, agriculture

CO3: Acquire the ability to enhance the level of knowledge about geography

CORE; GENERAL GEOGRAPHY OF INDIA

CO1: Able to develop in-depth knowledge of India s physiographic divisions

CO2: Able to develop knowledge about seasons of India

CO3: Analyze the distribution and production of crops in India

CO4: Analyze salient features foreign trade of India

CORE; GEOGRAPHICAL APPRAISAL OF KERALA

CO1: Able to develop in-depth knowledge of Kerala physiographic divisions

CO2: Able to develop knowledge about seasons of Kerala

CO3: Analyze the distribution of population and its characteristics in Kerala

CO4: Analyze salient features industries of Kerala

ELECTIVE; BIOGEOGRAPHY

CO1: Able to develop in-depth understanding about biodiversity and biomes.

CO2: Able to develop knowledge about ecological principles.

CO3: Analyze the distribution of national parks, biosphere reserves and wildlife sanctuaries.

CO4: Analyze biodiversity conservation strategies of India.



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COREPRACTICAL; MAP PROJECTIONS AND GEOINFORMATICS

- CO1** : Able to understand different Geographical projections
- CO2** : Able to represent the physical features by using QGIS software
- CO3** : Able to create Thematic Maps
- CO4**: Able to perform Geographical Analysis (buffer, network and overlay)

COREPRACTICAL; TOPOGRAPHIC MAP ANALYSIS AND SURVEYING

- CO1** : Able to understand different genres of relief representation
- CO2** : Able to represent the physical features by using contour
- CO3** : Able to calculate gradient and slopes from toposheet
- CO4**: Able to identify ground features using toposheet