

Department of Geography
GEOG - 101 (Fundamentals of Geography) -

Course Description:

The main objectives of the course are to acquaint the participating students with geographical thinking, key concepts, terms and relationships imbedded in spatial and temporal phenomena as construed by geographers and to provide a wide-ranging introduction to the principles of physical and human geography in various areas

Learning Objectives:

Upon successful completion of the course, the students will be able to:

- Building perspective about Geography and geographical thinking
- Providing understanding about the concepts and dynamics of natural and human phenomena, as envisaged by geographers.
- Insight into the basic components of the natural environment and understanding of how these are shaped by natural and some human processes.
- Knowledge of how these processes interact with one another and some perspective of both the time and spatial scales at which they operate.

Pre-Requisites:

None

Course Outline:

1. Week 1: Introduction
 - Introduction; Syllabus and Policies; Geography as a Discipline
 - Mode: Lecture & Discussion; Reading: Home Reading
2. Week 2: Themes & Domains
 - Fundamental Themes; Human and Physical Domains
 - Mode: Lecture & Discussion; Reading: Home Reading
3. Week 3: Solar System
 - Our Solar System: Origin, Constituents; The Earth as a Planet: Celestial Positioning, Shape & Size.
 - Mode: Lecture; Reading: Home Reading
 - Assignment 1: Delivered
4. Week 4: Location and Maps
 - Familiarizing Globe & Map; Latitude/Longitude & related concepts; Location with Grid; World Time Zones.
 - Mode: Lecture; Reading: Home Reading
 - Assignment 1: Submitted
5. Week 5: Rotation and Revolution
 - Earth's Rotation & Revolution and associated phenomena; Illumination Circle; Day & Night, Seasons; Directions; Earth's Physical Environment: introduction and spheres.
 - Mode: Lecture; Reading: Home Reading

- Assignment 2: Delivered; Quiz/ Periodic Test # 1
- Week 6: Atmosphere**
 - Atmosphere: Salient Features including its Composition & Structure; Weather and Climate
 - Mode: Lecture; Reading: Home Reading
 - Assignment 2: Submitted
 - Week 7: Atmospheric Temperature and Pressure**
 - Atmospheric Elements; Temperature; Convection, Conduction, Radiation and Compression; Atmospheric Pressure and Wind Circulation Pattern
 - Mode: Lecture; Reading: Home Reading
 - Mid-Term Examination
 - Week 8: Humidity and Precipitation**
 - Humidity and Moisture; State of Water & Water Cycle; Precipitation; Clouds, liquid and freezing precipitation
 - Mode: Lecture; Reading: Home Reading
 - Assignment 3: Delivered
 - Week 9: Internal Structure and Plate Tectonics**
 - Internal Structure of the Earth Lithospheric Plates; Rocks & Major groups.
 - Mode: Lecture; Reading: Home Reading
 - Assignment 3: Submitted
 - Study Tour
 - Week 10: Sculpturing of the Earth's Surface**
 - Sculpturing of the Earth's Surface; Macro and Micro Relief Features
 - Mode: Lecture; Reading: Home Reading
 - Assignment 2: Delivered; Quiz/ Periodic Test # 2
 - Briefing about the Project.
 - Week 11: Movement of Marine Waters**
 - Introduction to Oceans; Waves, Tides and Currents
 - Mode: Lecture; Reading: Home Reading
 - Project Delivered
 - Week 12: Political Patterns & Population**
 - Concept of Nation, Nation-State & Geo-Political Importance of Pakistan; Concept of Population Density, Distribution and Diversity, Migration
 - Mode: Lecture; Reading: Home Reading
 - Week 13: Settlement Patterns & Economic Geography**
 - Urban/ Rural Settlements; Urbanization (Growth and Sprawl); Economic Geography & Economic Activities; Cultural Geography & Diffusion
 - Mode: Lecture; Reading: Home Reading
 - Project Submitted
 - Week 14: Course Review**
 - The Forum; Review of the Course.
 - Mode: Discussion & QA Session; Presentation on Project

Recommended Readings

Title	Environmental Issues and Challenges
Author	Dutta, Abhijit
Publisher	New Delhi, India : A. P. H. Publishing Corp., 2005
Call No	363.7 D97E 2005

Title	Physical Geography
Author	Strahler, Alan H.
Publisher	New York : Wiley, 2002.
Call No	910.02 S87P
Edition	2nd ed.

Title	Human Geography
Author	De Blij, Harm J.
Publisher	New York : Wiley, 2003.
Call No	304.2 D30H 2003
Edition	7th ed.

Title	Introduction to Geography
Author	Getis, Arthur
Publisher	Boston : McGraw-Hill Higher Education, c2008.
Call No	910 G28I
Edition	11th ed.