

B.Sc. Program in Geography

Semester-I

Course Name: Physical Geography

Course Code: BSCPGEOC101

Course Type: Core (Theoretical)	Course Details: CC-1		L-T-P: 5 - 1 - 0		
Credit: 6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		..	10	..	40

Course Learning Outcomes:

(After the completion of course, the students will have ability to):

- 1. Understand the components of the earth system – atmosphere, lithosphere and hydrosphere;*
- 2. Appreciate and understand various features of the spheres with local, regional and global examples;*
- 3. Associate and bring out the relationships of the features of one sphere with other spheres.*

Course Content:

1. Definition, Scope and Concept of Physical Geography
2. Lithosphere – Internal Structure of Earth based on Seismic Evidence, Classification and Basic Characteristics of Rocks, Folds and Faults, Plate Tectonics and its associated features.
3. Fluvial Cycle of Erosion – Davis and Penck.
4. Atmosphere – Thermal Structure and Layering of Atmosphere, Global Heat Balance, Global Circulation Pattern Origin and Characteristics of Monsoon.
5. Origin and Characteristics Tropical Cyclones, Climatic Classification (Koppen).
6. Hydrosphere – Hydrological Cycle, Ocean Bottom Relief Features, Tides and Ocean Currents.

Continuous Assessment: MCQ based Midterm test

References/ Suggested Readings

- Conserva, H. T., (2004): Illustrated Dictionary of Physical Geography, Author House, New York.
- Gabler, R. E., Petersen, J. F. and Trapasso, L. M., (2007): Essentials of Physical Geography(8th Edition), Thompson, Brooks/Cole, New York..
- Garrett, N., (2000): Advanced Geography, Oxford University Press, Oxford.
- Goudie, A., (1984): The Nature of the Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford.
- Hamblin, W. K., (1995): Earth's Dynamic System, Prentice Hall, N.J.
- Husain, M., (2002): Fundamentals of Physical Geography, Rawat Publications, Jaipur.

- Monkhouse, F. J. (2009): Principles of Physical Geography, Platinum Publishers, Kolkata.
- Bloom, A. L., (2003): Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice-Hall of India, New Delhi.
- Bridges, E. M., (1990): World Geomorphology, Cambridge University Press, Cambridge.
- Das Gupta, A and Kapoor, A.N., (2001) Principles of Physical Geography, S.C. Chand & Company Ltd. New Delhi.
- Dayal, P., (1996) A Text book of Geomorphology. Shukla Book Depot, Patna.
- Huggett, R.J. (2007) Fundamentals of Geomorphology, Routledge, New York.
- Kale, V. S. and Gupta A., (2001): Introduction to Geomorphology, Orient Longman, Hyderabad.
- Khullar, D.R., (2012) Physical Geography, Kalyani Publishers, New Delhi.