

Natural Sciences - I

One of the following options:

A. GEOG-101- Fundamentals of Geography

Objective:

To expose students with the founding principles of Geography and geographical knowledge

Learning Outcomes:

At the end of the course, students will be able to:

1. Understand the fundamentals of Geography
2. Comprehend the key concepts of earth's evolution as a part of universe, and its major spheres.
3. Have knowledge of basic concepts and principles underlying Geographical events
4. Know various terms employed in understanding of different geographical processes and functions.

Course outline:

- 1- Nature and Scope
 - Definitions, scope and branches of Geography
 - Roots of the discipline and basic geographic concepts
 - Themes and traditions of Geography
 - Tools of Geography
- 2- The Universe
 - Galaxies and solar system
- 3- The Earth as a planet
 - Celestial positions, its shape and size
 - Rotation, revolution and related phenomena
- 4- Spheres of the earth
 - Lithosphere
 - Atmosphere
 - Hydrosphere
 - Biosphere
- 5- Man-environment interaction
 - Population
 - Major Economic activities
 - Settlements
 - Pollution

Lab. work:

Comprehension of atlases, map reading skills, location of places, features and relevant work related to topics of the theoretical section.

Teaching Methodology.

- Lecturing
- Presentations/Discussions
- Field Visits

Assessment

Mid Term

- Written (Subjective and Objective Questions)
- Presentation
- Assignments

Final Term

- Written (Subjective and Objective Questions)
- Presentation
- Assignments

Books Recommended:

1. Arbogast, A. F. (2017). *Discovering Physical Geography, Fourth Edition*: John Wiley & Sons, Incorporated.
2. Dahlman, C. H., Renwick, W. H., & Bergman, E. (2015). *Introduction to Geography: People, Places & Environment, Global Edition*: Pearson Education Limited'
3. Dunbar, G. S. (2016). *Modern Geography: An Encyclopaedic Survey*: Taylor & Francis.
4. Knox, P. 1., & Marston, S. A. (2015). *Human Geography: Places and Regions in Global Context*: Pearson.
5. Mayhew, S. (2015). *A Dictionary of Geographyr* Oxford University Press.
- 6, Nagle, G., & Cooke, B. (2017). *Ib Geography Course Book2nd Edition*: Oxford Ib Diploma Programme: Oxford University Press,
7. Petersen, J., Sack, D., & Gabler, R. E. (2014). *Fundamentals of Physical Geography*: Cengage Learning.
8. Roy, A., & Trudgill, S. (2014). *Contemporary Meanings in Physical Geography: From What to Why?:Taylor& Francis*.
9. Rubenstein, J. M. (2015). *Contemporary Human Geography*: Pearson Education.