



## **B.Ed(4 Years) Elementary Education**

Code	Subject Title	Cr. Hrs	Semester
EDE- 158	Geography IV (Map Work and Practical)	3	
Year	Discipline		
	Elementary Education		

### **Aims**

This course acts as a foundation for the following semesters. The course aims to help the students increase their proficiency in Geography by enhancing their knowledge in the subject.

### **Objectives**

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

- Understand and explain the foundations of Geography
- Apply their knowledge in different situations
- Develop a sense of understanding the trends and issues of Geography

### **Syllabus**

#### **(Map Work & Practical)**

#### 1. Study of Maps

(a) Types of Maps

(b) Seals Plain and diagonal

2. Methods or representation of relief. Exercises and drawing of composite contour maps with the help of given data and information.

3. Interpretation of:

(a) Topographical Maps

(b) Aerial Photographs and introduction to Remote Sensing.

(c) Weather maps of Pakistan.

4. Map projections: general principles, classification, choice of projection, merits and demerits, construction or graticule by simple graphic methods of the Following projections:

(a) Cylindrical-Simple and Equal Area, and Mercator's (with Table).

(b) Zenithal-Gnomonic, Stereographic and Orthographic (Polar cases)

(c) Conical one and two standard parallels and Bonne's.

5. Simple quantitative techniques and their use in geography. Study of frequency Distribution, averages (Mean, median and mode), mean deviation standard deviation and correlation.

6. Preparation of distribution craps with the help or Symbols - Line bars. Shads, dots, circle.

7. Instrumental surveying-Making of plans with the help of chain, plane table and prismatic compass.

8. Field report based on the study or geographical aspects of a selected areas/activity.

#### **Text Books/ Reference Material**

- Dent, B. D., Torguson, J. S., & Hodler, T. W. (1999). *Cartography: Thematic map design* (Vol. 5). Boston: WCB/McGraw-Hill
- Benton, A. R., & Taetz, P. J. (1991). *Elements of Plane Surveying*. New York: McGraw-Hill.
- Darkes, G., Spence, M., & Society, B. C. (2008). *Cartography: An Introduction*: British Cartographic Society.
- Sarkar, A. (1997). *Practical Geography: A Systematic Approach*: Sangram Books.
- Trewartha, G. T., Robinson, A. H., Hammond, E. H., & Finch, V. C. (1967). *Elements of geography*. New York: John Wiley.
- Singh, R., & Dutt, P. (1951). *Elements of practical geography*: Students' Friends
- Ahmad, K.S. (1973) *Map Production*. Lahore. Publisher Unit.