

MANGALORE UNIVERSITY
MSc Geography

ELECTIVE COURSE: GYE 508: Physical Geography

Course learning outcomes:

- CO1: understand spatial observation of the earth surface.
CO2: understand development and future of physical geography.
CO3: Analyse the importance of GIS and remote sensing.
CO4: Analyse the scientific method in physical geography.
CO5: understand the history and evolution of universe.

Unit 1: Profile: Definition and Uses, Profile Drawing and Types of Profiles. – **13**

Unit 2: Morphometric Analysis (linear features). Morphometry, Stream Ordering, Bifurcation Ratio and Drainage Density. – **14**

Unit 3: Slope Analysis: Meaning, Definition- Smith's Method and Wentworth's Method. – **14**

Unit 4: Climatic graphs: Hyther-graphs, Climo-graphs and Ergo-graph. – **13**

Reference:

1. Monkhouse F.J and Wilkinson HR (1952) Maps and Diagrams, their compilations and concentration, Muthuen & Co. London.
 2. Harwel JD, Newson MD. (1973)- Techniques in Physical Geography, Mc. Millan Edu. Ltd. London.
 3. Mishra RP. And Ramesh A (1968) – Fundamentals of Cartography, Prasaranga, University of Mysore, Mysore.
 4. Robinson & Marison (1995), Elements of Cartography USA.
- R.L. Singh (2010) Practical Geography, Sharada Pustak Bhavan, 11, University Road, Allahabad, UP - India