

Type/ Status : Core
Course Code : GEOG E2025
Title : Cartography

Learning Outcomes: After completing this course unit student will acquire the skills in collecting Geographical data, presenting, analyzing and interpretation of maps and diagrams

Course Content : An introduction to the scope of cartography, historical evolution of world map, history of cartography in Sri Lanka. Introduction of maps, types of maps, main components of components of the maps & diagrams and their importance: The map scale and other peripheral information of maps, Types of map scales, conversion of scales, enlarging and reducing (zooming) maps. Slope and shape analysis, block diagrams and river texture. Map projection: Types, Properties and importance of Projections

Surveying: Principles of land surveying using chain and tape. Quantitative data representation by maps, diagrams and graphs, Introduction to Geographical Information system (GIS) and Remote Sensing (RS).

Method of Teaching and Learning : This course utilizes a variety of teaching modes including Course Modules, Seminars, LMS (PowerPoint Presentation, Video Seminars) Internet search and Self Learning.

Assessment: Year-end Examination

Recommended Reading:

Campbell, J. (1991). **Introduction to Cartography**. 2nd ed. Dubuque, Ia.: Wm. C. Brown.

Campbell, J. (2001). **Map Use & Analysis**. 4th ed. McGraw Hill

Dent, Borden. (1999). **Cartography, - Thematic Map Design**, Fifth Edition, McGraw-Hill

Misra, Rameshwar Prasad. (1969). **Fundamentals of Cartography**, University of Mysore, Parasranga, India

Monkhouse, F. J. and Wilkinson, H.R. (1971). **Maps and Diagrams**-3rd edition, Methuen and Co., LTD, London

Raisz, Erwin, 1962, **Principles of Cartography**, McGraw Hill Book Co., Inc., New York

Robinson, Arthur H., Joel L. Morrison, Phillip C. Muehrcke, A. Jon Kimerling, Stephen C. Guptill, 1995, **Elements of Cartography**, Wiley

විතාරණ, කාන්ති එම්. (2007), **සිතියම් වැඩ සහ ප්‍රායෝගික භූගෝල විද්‍යාව**, සරසවි ප්‍රකාශකයෝ

ක්ලාක් ඩේවිඩ්. (1970), **තල හා භූ මිනිකබිම්මැනුම**, කොළඹ, අධ්‍යාපන ප්‍රකාශන දෙපාර්තමේන්තුව.

ජෝන් බයිගොට්. (1961), **සිතියම් වැඩ සහ ප්‍රායෝගික භූගෝල විද්‍යාව**, කොළඹ, රාජ්‍ය භාෂා දෙපාර්තමේන්තුව.