

Course Name: Cartography

Course Code: GIS-504/ DGIS-504/ GIS-504

Unit Schedule

Block 1: Map-A special Graphic Communicator

Unit 1: History and Definition of Maps

Unit 2: Classification of maps

Unit 3: Scale and types of scale

Block 2: Map Projections

Unit 4: Meaning, Definition, Shape, Distance, Area and Direction properties

Unit 5: Classification of Projection

Unit 6: Selection of a Projection

Block 3: Map Compilation and Design

Unit 7: Base map concepts, scanning and digitization- Planimetric, Topographic and Thematic

Unit 8: Information- Sample and census surveys attribute data tables, elements of map, map layout principals

Unit 9: Map design fundamentals, symbols and conventional signs, graded and ungraded symbols, color theory, colors and patterns in symbolization, map lettering

Block 4: Map Making

Unit10: Definition of choropleth, daysimetric and isopleths maps

Unit11: Class interval selection and shading

Unit12: Isopleth maps and interpolation strategies, flow maps, cadastral maps

Unit13: Demographic and statistical mapping, sequential maps

Unit14: Map production, map printing, colors and visualization, map reproduction, printing soft copies and standards