

Course Number and Name	GGYE 301 Cartography
Intended Learning Outcomes	At the end of this course the students will be able to produce different types of maps, critically analyze the maps and aerial photographs, analyze and interpret socio-economic and physical data and display competency in using modern/advanced techniques that are used in Remote Sensing, GIS and GPS
Course Contents	Introduction to cartography, maps and cartographic techniques: spatial concepts and geographical/spatial features of maps, reading physical features and extracting features, interpretation of features, quantitative analysis of drainage and road networks, spatial analysis of land use and elevation using different cartographic techniques. Aerial Photographs: reading extracting and extracting features, interpretation and analysis aerial photograph, weather maps: usefulness of weather maps in geography, techniques in drawing weather maps, interpretation and analysis of weather maps, modern weather forecasting techniques, statistical cartography, Geographical Information Systems (GIS) and future of cartography.
Assessment Strategy	<ul style="list-style-type: none"> i. Time of Assessment - End of the Year ii. Assessment Method - Written & practical examinations and project presentation iii. Assigned Percentage for each Component – 100%
Recommended References	<p>Clark, W.A.V. and Hosking, P.L.1986: <i>Statistical Methods for Geographers</i>, John Wiley & Sons, New York.</p> <p>Daniel, D. & David Faibairn. 1997: <i>Mapping: Ways of Representing the World</i>, Longman, Essex - England.</p> <p>Gupta, S.1995: <i>Research Methodology and Statistical Techniques</i>, Deep and Deep Publications, New Delhi.</p> <p>Kothari, C.R. 1998: <i>Research Methodology: Methods and Techniques</i>, Wishwa Prakasahan. New Delhi.</p> <p>Misra, R.P. and Rames A, 1989: <i>Fundamentals of Cartography</i>, Concept Publishers New Delhi.</p> <p>Robinson, A.H. 1995: <i>Elements of Cartography</i> (6th Edition), John Wiley & Sons, Inc, New York.</p> <p>Slocum, A.T. 2004: <i>Thematic Cartography and Geographic Visualization</i> Prentice, Hall New York.</p>

