

University of Kalyani



Department of Geography

REVISED SYLLABUS

Ph.D. COURSE WORK IN GEOGRAPHY

At Department Level

(With Effect from June, 2017)

Department of Geography

University of Kalyani

Kalyani, Nadia-741235, West Bengal

Ph.D. COURSE WORK IN GEOGRAPHY

Curricula of Ph.D. Course work

(With effect from June, 2017)

Paper III (Computer & Department Level): IPP 503 (Computer Application and Subject upgradation)		Credits : 4 Marks : 100
Unit	Contents	
IPP 503.1 (Computer Application)		Credit – 1 Lecture Hours – 15
IPP 503.2 (Subject upgradation: Geography)	<p>(i) Field Work, Analytical Techniques and Basics of Geographical Research:</p> <p>Identification of Research Problem, Research Gap and Formulation of Research Questions in Geography; Relevance of Field Book, Sample Collection, Identification of Physical and Cultural Attributes, Ground Truth Verification, Preparation of Questionnaire and Survey Schedule, Collation of Cadastral and other Maps; Significance of Spatio-Temporal Analysis; Importance of Modelling; Style of Writing Scientific Paper, Research Proposal, Recording Major Findings along with Suggestions and Drawing Conclusion.</p> <p>(ii) Use of Statistical Software in Geographical Research</p> <p>Histogram, Skewness and Kurtosis; Analysis of Variance, Principal Component Analysis, Factor Analysis, Linear and Non-linear regression and Multivariate Analysis.</p> <p>(iii) Application of RS and GIS Software in Geographical Research</p> <p>Application of Remote Sensing and GIS for preparation of Thematic Maps, Detection of Change in Land Cover and Land Use using Satellite Images and Topographical Sheets; Concept of DEM and TIN, Use of GPS for updating the Maps.</p>	Credit – 3 Marks:75 Lecture Hours – 45