SYLLABUS

OF

COURSEWORK FOR Ph.D. PROGRAMME

IN

GEOGRAPHY

2020

RESEARCH COMMITTEE OF GEOGRAPHY

BANKURA UNIVERSITY

MAIN CAMPUS (BESIDE NH-60)
P.O.-PURANDARPUR, DIST- BANKURA
PIN- 722155, WEST BENGAL

Ph.D. Coursework and Course-End Examination

1. Ph.D. students have to undergo one semester coursework of six months duration. There shall be four papers of 50 marks each and 16 credits.
2. UGC Regulation, 2016 will be followed regarding coursework and its eligibility criteria.
3. A student has to complete his coursework before his/her final registration in Ph.D programme.
4. Each 50 marks paper is composed of 40 marks end semester examination and 10 marks of internal assessment.
5. Mode of internal assessment is variable to be announced by the Research Committee at the beginning of the course. It may be composed of seminar/presentation/assignment/ group discussion/project work as may be deemed fit for the course.
6. A student must obtain 50% marks in the coursework to qualify for registration. The students who fails to obtain this required percentage of marks or fail to appear any of the paper(s) will be entitled to appear in back papers in the next regular course and examination(s); There shall be no separate supplementary examination.

Distribution of Marks and Credits of the Coursework

Course Code/Name	Title of Paper	Full Marks	Credits	Marks Break up
PHDGEO-101	Research Methodology	50	4	Int. Assessment- 10 End-SEM Exam-40
PHDGEO-102	Research Methodology in Geography	50	4	Int. Assessment- 10 End-SEM Exam-40
PHDGEO-103	Statistics in Geographical Research	50	4	Int. Assessment- 10 End-SEM Exam-40
PHDGEO-104	Literature Review and Thesis Organisation	50	4	Project File- 30 Presentation- 20

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COURSE CODE: PHDGEO-101
RESEARCH METHODOLOGY
FULL MARKS: 50 (4 Credits)
[Internal Assessment- 10 + End SEM Examination- 40]

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Exam Duration: 2 hours
Pattern of Questions: [(10x2=20) + (5x2=10) + (2x5=10)]

Unit-1.0: <u>Conceptual Framework</u>

Definition, Objectives, Significance of Research; Criteria of good research

Unit-2.0: <u>Research Design</u>

Meaning and necessity, Chief features, Research questions and hypotheses; Deductive and Inductive approaches in research; Qualitative and Quantitative Research

Unit-3.0: <u>Research Report and Paper Writing</u>

Layout of a good Research Proposal; Methods of searching information; ethical issues related to publishing

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COURSE CODE: PHDGEO-102
RESEARCH METHODOLOGY IN GEOGRAPHY
FULL MARKS: 50 (4 Credits)
[Internal Assessment- 10 + End SEM Examination- 40]

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Exam Duration: 3 hours
Pattern of Questions: [(10x2=20) + (5x2=10) + (2x5=10)]

Unit-1: <u>Concepts and Approaches</u>

Nature and characteristics of Geographical Data; Research Design in Geography; Basic criteria for geographical research

Unit-2: <u>Geographical Data Analysis: Remote Sensing</u>

Downloading and extraction of Satellite images; Image Sub-setting; Landuse-landcover Mapping; Exploring Google Earth Interface; Preparation of DEM from SRTM and ASTER; measurement of height and creation of elevation profile from the same

Unit-3: <u>Geographical Data Representation: GIS</u>

Georeferencing and Digitization; Editing ; Design and Layout of Thematic Maps, Use of statistical tools for spatial data

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COURSE CODE: PHDGEO-103
STATISTICS IN GEOGRAPHICAL RESEARCH
FULL MARKS: 50 (4 Credits)
[Internal Assessment- 10 + End SEM Examination- 40]

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Exam Duration: 3 hours
Pattern of Questions: [(10x2=20) + (5x2=10) + (2x5=10)]

Unit-1: <u>Methods of Qualitative and Quantitative Data Analysis</u>

Information and Data; Rating Scale: Types and Applications;, Quantitative Data: Nature
and Types; Usage of Census data, NSSO (National Sample Survey Organization) data,
NFHS(National Family Health Survey), Sampling Techniques, Design and Size,

Unit-2: <u>Working with Excel</u>

Analyses: Basic Descriptive Statistics and Graphing representation of data;;

Unit-3: <u>Working with statistical software</u>

Contingency and Matrix Table; Correlation, Regression of Bivariate and Multivariate
data type, Data Processing; Factor Analysis and Interpretation; Data Presentation;
Exporting files to other Applications.

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COURSE CODE: PHDGEO-104
LITERATURE REVIEW AND THESIS ORGANISATION
FULL MARKS: 50 (4 Credits)
[Internal Assessment- 10 + End SEM Examination- 40]

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Exam Duration: 2 hours
Pattern of Examination: Project File- 30 Marks + Presentation- 20 Marks

Unit-1: <u>Literature Review</u>

Importance and Meaning of Literature Review: Review of Literature from at least 30
books and research articles on relevant topic according to own choice. Different available
Referencing Systems

Unit-2: <u>Thesis Organisation</u>

Preparation of synopsis: tentative chapter scheme of the proposed work with specific
objectives, methods and methodology, hypotheses, datasets within 10to 15 pages
including flow chart, map(s) and diagram(s)

Unit-3: Presentation

The students have to present the literature review and thesis organization in power point slides of not more than 15 minutes in front of a panel of examiners duly constituted by the committee.

References

Ahuja Ram (2001) Research Methods, Rawat Publications, Jaipur , India.

Bajpai S. R. (1975) Methods of Social Survey and Research, Kitabghar, Kanpur.

Best J. W. and Khan J. V. (2005) Research in Education New Delhi, Prentice Hall India.

Bhattacharya, D. K. (2004) Research Methodology, New Delhi, Excel Books.

Brymann, Alan and Carmer, D. (1995) Qualitative data analysis for social scientist, New York, Routledge Publication.

Chandera A. and Sexena T. P. (2000) Style Manual, New Delhi, Metropolitan Book Comp. Ltd.

Cunningham, J.B and Aldrich, J.O. (2012) Using SPSS: An Interactive Hands-On Approach, Sage Publications, New Delhi.

Gautam, N. C. (2004) Development of Research tools, New Delhi, Shree Publishers.

Gupta, S. (2005) Research Methodology and Statistical Techniques, Deep and Deep Publications.

Hans Raj (1988) Theory and Practice in Social Research, Surjeet Publication, Kolhapur.

Kothari, C. R. (2005) Quantitative Technique, New Delhi, Vikas Publication House.

Krishnaswami O. R. (1988) Methodology of Research in Social Science, Himalaya Pub. House.

Sadhu, Singh, Research Methodology in Social Science Bhandarkar, Research Methodology

Shukla, J. J. (1999) Theories of Knowledge, Ahmadabad, Karnavati Publication.