



डॉ. बी.आर. अम्बेडकर सामाजिक विज्ञान विश्वविद्यालय
Dr. B.R. Ambedkar University of Social Sciences
(State University established by the Government of Madhya Pradesh)

Faculty of Social Sciences and Management Studies



Syllabus for M. Phil. Course Work

(UGC Regulations 2009/2016)

in

GEOGRAPHY

2018



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Syllabus for M. Phil. Course Work (Geography)

Semester I

Paper No.	Code	Title of the Papers	Credits
Paper I	GEO 611	Research Methodology	3+1
Paper II	GEO 612	Use of Computer Application with SPSS	3+0

Semester II

Paper No.	Code	Paper Name	Credits
Paper I	GEO 621	Review of Literature, Preparation and Presentation of Synopsis	3+0
Paper II	GEO 622	Geographic Field Methods and Techniques	3+0

Semester III

Preparation of Interview Schedule, Data Collection, Analysis of collected data, Final submission of Dissertation, Vice- Via 3+0



Syllabus for M. Phil. Course Work

Geography Semester I

Research Methodology (GEO 611)

3+1

Unit-I

Problems of Geographical Research, Identification of Problems of Regional and Systematic Geography. Nature and source of data to be used, Hypothesis, Models.

Unit- II

Preparation of Research project and report writing, Cartographic representation of agricultural, Transport, Marketing and Industrial Data.

Selected techniques of Spatial Analysis, Methods of measurement of concentration and dispersion of economic activities.

Unit - III

Nearest neighbour analysis with examples, Regional interaction analysis, Gravity potential, Methods of delimiting regions - Resource Regions, Economic, Industrial, Agricultural and Planning regions.

Unit- IV

Regional population analysis - Population projection, Population Migration Projection, Network analysis with examples. Delimiting urban and market spheres of influence.

Unit-V

Techniques of Map analysis. Basics of Remote Sensing and G.I.S.. Morphometric analysis - drainage, slope analysis, Integrated area development planning.

Books Recommended:

1. David, Unwin : Introductory Spatial Analysis, Methuen, London, 1981.
2. Gregory, S. : Statistical Methods and the Geographer, Longman, London, 1978.
3. Mahmood, A. : Statistical Methods in Geographical Studies, Delhi, 1978.
4. Maruice, Yeats : An Introduction to Quantitative Analysis in Human Geography, McGraw Hill, New York.
5. Peter Haggett, Andrew : Location Methods Vol. I and II Edward Arnold, London, D. Cliff & Allan Frey 1977.



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Geography Semester I

Paper- III Computer Application (GEO 612)

3+0

Unit 1

Basic knowledge of application software's in MS- Office with focus on MS-Word- its features and applications related to presentation of text in decent format and saving the same for further use. The practical knowledge of this software should enable the candidate to type and prepare the thesis in a presentable format.

Unit 2

MS-Excel- construction of worksheet and inserting data according to its characteristics, use of statistical tools and their presentation in the form of charts and graphs.

Unit 3

MS- Power point – create power point presentation on a topic related to the theme of thesis and use of different presentation techniques.

Unit 4

Use of SPSS – method of preparing data sheet and entering data according to its characteristics , use of various statistical tools on SPSS.

Unit 5

Use of Internet for research work and exploring various websites and search engines for collecting quality literature review and secondary data etc. related to thesis work.



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Geography Semester II

Paper-II: Review of Published Research in the Relevant Field

(Review of Literature) (GEO 621)

3+0

Unit 1

Understanding Review of literature: Relevance, Approach and Applications; Developing an outline for the literature review; Formulate key questions for a review.

Unit 2

Organizing a literature search: Identify which literature bases to search; Developing the theoretical basis for the Research Question; Searching for, locating and organizing relevant professional literature

Unit 3

Conducting the Review: Abstract relevant information from appropriate studies in a systematic manner; critically reviewing the literature; Rate the scientific quality of each study and the level of evidence for each question;

Unit 4

Synthesizing the Review: Create evidence tables and summary tables; Interpret the pattern of evidence in terms of strength and consistency; Summarize the studies' findings.

Unit 5

Writing the review: Writing a first draft; Writing references and citations; Obtaining, giving, and making productive use of feedback; the redrafting process; Professional formatting.



Syllabus for M. Phil. Course Work

Geography Semester II

Geographic Field Methods and Techniques (GEO 622)

3+0

UNIT-I

Role of Field methods and techniques in modern Geographical research, Historical development of Field investigation, the structure of Modern Field Research, Training in Field Geography, Geographic Field Instruction

UNIT-II

Base Map for Field Survey, use of topographic maps, Aerial photographs and Satellite Imageries for Field Survey, Use of Brunton Compass and Abney Level, Global Positioning System (GPS), Selection of Mapping Techniques

UNIT-III

Methods of Data collection: Primary/ Secondary, Observation Method, Census and Sampling, Types of Spatial Sampling, Questionnaire Design, Administration of the questionnaire

UNIT-IV

Basic phases of Field Research Design, The Problem Statement, Hypothesis Formulation, Project Timing and Management, Importance of Research Design, Mechanics of writing a report.

Unit -V

Field trip to the selected station (s) shall be compulsory to all the students. They will make study of physico-cultural milieu of the selected station (s) through personal observations and questionnaire methods. On the basis of data collected from the field the students shall prepare a field report on the allotted subject/ topic and will make use of tables, figures and photo-plates.

Suggested Readings:

1. Lunsbury J.F. and Aldrich, F.T (1979) Introduction to Geographic Field Methods and Techniques, Charles E. Merrill Publishing Company, Columbus.
2. Association of American Geographer (1965) Field Training in Geography, Technical Paper No.1.
3. Anderson, Janathan et.al. 91970) Thesis and Assignment Writing, Wiley Eastern United , New Delhi.



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4. Panneerselvam, R. (2004) Research Methodology, Prentice Hall of India Pvt. Limited, New Delhi.
5. Kothari, C.R. (2004) Research Methodology, New Age International (P) Limited Publishers, New Delhi.