

MASTER OF PHILOSOPHY IN GEOGRAPHY

PROGRAMME STRUCTURE

The Master of Philosophy course in Geography comprises two parts. Part I consists of three courses, for which classes are held usually from 01st August until 31st January of next year. Part I examinations are held at the end of January or beginning of February. Part II consists of a dissertation, which may take a year or more for completion.

Part I

Objective – The basic objective is to prepare the scholars in conceptualization and critical evaluation of research problem and research methodology. The content of Course III will be decided by the concerned faculty within the broad guidelines framed by the M.Phil Committee. Courses shall be based on contemporary research issues in the major and allied areas. Mode of teaching shall be through lecturers, discussions, seminars and assignments.

Course I: Research Methodology

- Scientific Research in Geography
- Review of Geographical Research: Method and Style.
- Identification and Conceptualization of a Research Problem, Research Questions and Hypotheses.
- Sources of Data and its Method of Collection:
 - Secondary Data: Census, NSS, CSO, Aerial Photographs and Satellite Imageries;
 - Primary Data: Observational Method, Questionnaires and Interviews; Sampling Methods.
- Structure of a Research Dissertation and Documentation

Course II: Advanced Spatial Analysis

- Data Processing and Descriptive Data Analysis – Editing, Coding and Tabulation of Data, Graphic Presentation of Data; Concentration and Dispersion Measures
- Inductive Data Analysis, Hypothesis Testing, Analysis of variance, Multiple Regression and Correlation
- Spatial Analysis, Gravity and Potential Models, Network Analysis, Trend Surface Analysis; Spatio-Temporal Analysis
- Qualitative Data Analysis, Techniques of Qualitative Data Analysis
- Geographic Information System, Data Storage, Presentation, Mapping and Analysis

Course III: Specialization – Any one among the following courses:

- Agricultural Development and Environmental Issues
- Critical Geopolitics and Regional Security
- Environmental Monitoring and Geographical Information System
- Environmental Security: Problems and Policies

- Gender and Development
- Geography of Hunger
- Globalization and Development
- Landforms and Geo-environmental Applications
- Land Use Land cover Mapping Techniques
- Disasters and their Management
- Politics of space
- Population Movements
- Restructuring Post-modern Political Geography
- Resource Management: Issues and Problems
- Social-Political Processes and the Geography of Elections in India
- Spatial Dimensions of Politics
- Regional Development
- Sustainable Cities
- Sustainable Agriculture and Food Security
- Tropical Land Forms and Geo-Environmental Applications
- Urban Agriculture

Part II

On the successful completion of M.Phil Part I, scholars will write a dissertation of 100-150 pages based on original research. A student who has secured 50 per cent marks in at least two of the three courses (separately in internal assessment and final written examination) in Part I may be allowed to proceed to M. Phil Part II for dissertation work. Such scholars will be permitted to submit his dissertation only after he/she passes the examination in all the three courses (separately in internal assessment and final written examination) of Part I.

The dissertation is to be written on a topic duly approved by Advisory Committee, formed by the M.Phil Committee. The scholar will prepare a research proposal in consultation with his/her supervisor, and submit three copies to the Advisory Committee for approval. The scholar will present and defend the research proposal in the presence of the Advisory Committees, and shall make necessary changes in the research proposal on the basis of the comments; and re-submit the same for approval by the Advisory Committee and finally to the M.Phil Committee.

After the completion of research work, the main results will be presented and discussed by the scholar in an open departmental seminar. Suggestions from faculty and fellow scholars may be suitably included in the dissertation. The candidates will submit three typed copies of the dissertation for evaluation. The dissertation will be submitted when the supervisor is fully satisfied about the quality of the work, and certifies that it is fit for an award of M.Phil degree of the University of Delhi.