

GEOGRAPHY

MPhil & PhD Syllabus

Semester	Paper Code	Paper	Credit
I	GEO-RS-C-101	Research Methodology	4
I	GEO-RS-C-102	Emerging Areas of Research in Geography	4
I	GEO-RS-C-103	Reading and Writing Skill Development	4
I,II,III	-	M.Phil Dissertation	12

GEO-RS-C-101: Research Methodology

Unit I: Scientific research

Research: relevance of conceptual framework, identification of research problem, objectives, hypotheses, research questions, model building in Geography, Paradigm and paradigm shift

Unit II: Typology of research methods

Epistemology, descriptive research, exploratory research, explanatory research and research on causality, comparative research, hypothesis testing research, survey research, cross-sectional research, longitudinal research, experimental and quasi-experimental research, evaluation research, case study, pilot study, field research, collaborative approaches, behavioural research, qualitative and mixed methods of research

Unit III: Sampling Fundamentals and Analysis of Variance (ANOVA)

Sampling Distribution of Mean, Concept of Standard errors, Type I & II errors, Test of significance, Comparing of means (z, t and ftest); ANOVA technique, Setting up ANOVA table

Unit IV: Time Series

Meaning and necessity; components of time series; measurement of trend; monthly trend from annual data; measurement of seasonal variation.

Readings:

1. Blalock, H. M. (1979). *Social Statistics*, Series in Sociology, New York: McGraw-Hill
2. Chorley, R.J. and P. Haggett. (1973). *Models in Geography*, London: Methuen
3. Ebdon, David, (1991). *Statistics in Geography*, London: Blackwell Publishers.
4. Gupta, Goon & M.K. Gupta (1991). *Fundamental of Statistics*, New Delhi: McGraw Hills Book Company
5. Harris, R. (2016). *Quantitative Geography: the Basics*, London: SAGE Publications Ltd
6. Mehmood, Aslam. (1998). *Quantitative Methods in Geography, (Rev Ed.)*, New Delhi: Rajesh Publications,.
7. Monkhouse, F.J. (1971). *Maps and Diagrams*, London: Methuen
8. Pal, Saroj(1998). *Statistics for Geoscientists: Techniques and Applications*, New Delhi: Concept
9. Yule, G. U. & Kendal, M.G. (1973). *An introduction to the Theory of Statistics, 14th Ed.*, London: Charles-Griffin

10. Fotheringham, A.S, C. Brunsdon & M. Charlton (2000). *Quantitative Geography: Perspective on Spatial Data Analysis*, London: Sage

GEO-RS-C-102: Emerging Areas of Research in Geography

Unit I: Coupled Human and Natural Systems (CHNS)

Concepts, theory and Methodology; patterns and processes: Variations of CHNS across space, time and organisations; some examples of complexities of CHNS; Earth System Governance: conceptual understandings and progress

Unit II: Geographies of Globalization

Globalisation and Changing World Economy culture and security
Flexible Accumulation and New International Division of Labour, Accumulation by
Dispossession and social and environmental justice.

Unit III: Geographies of Anthropocene

New Perspectives on Nature-Society relationship, Concept of Anthropocene, Globalization and Knowledge Politics, Geopolitics and Climate Change. Differential citizenship identities, Vulnerabilities and Marginalisation

Unit IV: Critical Mobilities

Approaches to Mobility, Neoliberalism- Labour Migration, Trafficking, Undocumented Migration; Forced Migration, Geopolitics and International Refugee Crisis; Citizenship in worlds of mobilities.

Readings:

1. Jianguo Liu, et al. (2017). Complexity of Coupled Human and Natural Systems. *Science*, Vol. 317, pp. 1513-1516
2. Murray, W.E. and J. Overton, (2014). *Geographies of Globalization*. London: Routledge.
3. Toffin, G. and Pfaff-Czarnecka, J. eds., (2014). *Facing Globalization in the Himalayas: Belonging and the Politics of the Self* (Vol. 5). Delhi: SAGE Publications India.
4. Knox, P., John, A. & McCarthy, L. (2015). *The Geography of the World Economy*, New York: Routledge.
5. Dalby, S. (2013). Biopolitics and climate security in the Anthropocene. *Geoforum*, 49, pp.184-192
6. Castree, Noel. (2014). "Geography and the Anthropocene II: Current contributions." *Geography Compass* 8, no. 7 : 450-463.
7. Cresswell, T., Merriman, P. (2012) *Geographies of Mobilities: Practices, Spaces, Subjects*. Ashgate. Aldershot.

8. Lewellen, Ted C. (2002). *The Anthropology of Globalisation: Cultural Anthropology enters the 21st Century*. Westport: Greenwood Publishing Group Inc.
9. Merriman, P (2012) *Mobility, Space, and Culture*. London: Routledge.
10. Neal, Z. P (2016). *Handbook of Applied System Science*. New York: Routledge

GEO-RS-C-103: Reading and Writing Skill Development

Course Description and Objective: This course focuses on enhancing capacities of research scholars for widening the reading and writing skills of M.Phil/Ph.D students.

Methods of Instruction: Informal interactions over series of self-learning workshops involving participation and team-work over four workshops.

Unit I: Learning to Read and Write-Fundamentals

This module is targeted to develop the basic skills of reading and writing among students. It consists of two workshops of general nature.

Workshop I: Developing Basic Reading skills

This workshop emphasizes developing basic skills in reading. Students will read at least one essay of general nature.

Workshop II: Developing Basic Writing Skills

This workshop emphasizes developing basic skills for writing. Students will develop one essay of general nature.

Unit II- Learning to Read and Write-Advanced

This module consists of two workshops focusing on development of advanced skills required for reading and writing for academic purpose.

Workshop III: Critical Reading and Review

This workshop is designed to help students developing skills for critical reading and thinking. Students will read at least two journal articles and one book of academic nature.

Workshop –IV Critical Writing

This workshop is designed to expose the students to academic writings. It emphasizes the development of writing skills for academic purposes such as writing academic essays, research papers, dissertation/thesis. Here students will develop one literature survey-based essay, research design and outline of a project/dissertation/thesis. Students will be required to present the assignments in the workshop.

Note: In this non-teaching course books, articles etc. should be linked to the proposed area of research of the scholar.

Readings:

1. Thody, Angela. (2006). *Writing and presenting research*. London: Sage
2. Taylor, Gordon. (1989). *The student's writing guide for the arts and social sciences*. Cambridge: Cambridge University Press
3. Davies, A., K. Hoggart & L. Lees. (2014) *Researching human geography*. London: Routledge.
4. Parsons, Tony, & Peter G. Knight. (2015). *How to do your dissertation in geography and related disciplines*. London: Routledge
5. Knight, Peter, & Tony Parsons. (2004). *How to do your Essays, Exams and Coursework in Geography and Related Disciplines*. London: Routledge

6. Bonney, C. R., & Robert J. S. (2011) "Learning to think critically." *Handbook of research on learning and instruction*: pp. 166-198.
7. Blandfor, Elisabeth (2009). *How to Write the Best Research Paper Ever*, Bloomington: Author House
8. Haisler, Peter (2011). *How to write a Good Research paper*, Frederiksberg: Samfunds Litteratur
9. Lester, J.D. (2007). *Principles of Writing Research Papers*. London: Penguin Academics
10. Graustein, J.S. (2013). ***How to Write an Exceptional Thesis or Dissertation***. Florida: Atlanta Publishing Group.