



जननायक चन्द्रशेखर विश्वविद्यालय, बलिया-277001 (उ.प्र.)

Jananayak Chandrashekhar University, Ballia-277001 (U. P.)



FACULTY OF ARTS

Course structure and Syllabus

Ph.D. Course work system

GEOGRAPHY

**UNDER SEMESTER SYSTEM FROM
ACADEMIC SESSION -2019-20**



Ph.D. (Doctor of Philosophy)

Geography

FACULTY OF ARTS

SEMESTER SYSTEM

Ph.D. Geography

COURSE WORK SYSTEM

COURSE STRUCTURE, SYLLABUS/Ph.D. COURSE WORK

1. PAPER-1-Research Methodology and Computer Application- Credits-4, MM-100
2. PAPER-2-Research and Publication Ethics Credits-2, M.M.-100
3. PAPER-3- Advances in Geomorphology Credits-4, M.M.-100
4. PAPER-4- Population Dynamics and Family Welfare Programmes Credits-4, M.M.-100

Total-14 Credits and Maximum Marks-400

After the completion of course work

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|------------------------------------|--------------|
| 1. SYNOPSIS SEMINAR | Satisfactory |
| 2. ORAL COMPREHENSIVE | Satisfactory |
| 3. COURSE SEMINAR | Satisfactory |
| 4. THESIS PRE SUBMISSION SEMINAR | Satisfactory |
| 5. THESIS (DOCTORAL RESEARCH WORK) | Satisfactory |
| 6. THESIS VIVA-VOCE | Satisfactory |

PROPOSED REGULATIONS

Semesters/Papers	Title of the papers	Credits Hours	Theory	
			Max. Marks	Min. Marks
Paper 1	(Theory Paper)	4	100	40
Paper 2	(Theory Paper)	4	100	40
Paper 3	(Theory Paper)	4	100	40
Paper 4	(Theory Paper)	2	100	40
Total aggregate of First Semester will be 50 %			Total 14 Credits Max. Marks – 400 Min.Marks – 200	
SYNOPSIS SEMINAR			Satisfactory	
ORAL COMPREHENSIVE			Satisfactory	
COURSE SEMINAR			Satisfactory	
THESIS PRE-SUBMISSION SEMINAR			Satisfactory	
THESIS (DOCTORAL RESEARCH WORK)			Satisfactory	
THESIS VIVA-VOCE			Satisfactory	

Note-

1. The research work may be initiated as per Ph.D. ordinance.

2. The evaluation of seminar presentation and oral comprehensive examination shall be done by the departmental committee which shall be constituted by the Head of Department /Principal of College.
3. The minimum passing marks of every paper at least will be 40 % in theory and total aggregate of the semester will be 50 % minimum.

Department of Geography

Ph.D. COURSE WORK SYSTEM

COURSE STRUCTURE–SYLLABUS of Ph.D. COURSE WORK

PAPER-I: RESEARCH METHODOLOGY AND COMPUTER APPLICATION
4 Credits, M.M.:100 (Common Syllabus)

PAPER-II-RESEARCH AND PUBLICATION ETHICS CREDITS-2, M.M.-100
(Common Syllabus)

Paper- III Advances in Geomorphology CREDITS: 4, M.M.: 100

THEORY:

Unit 1: A critical analysis of fundamental concepts; Concept of Dynamic Equilibrium versus Davis' and Penck's concepts; Time, Space and Causality in Geomorphology; Recent Trends in Geomorphology. Climatic Geomorphology; Environmental Geomorphology; Mapping Techniques in Geomorphology; Systems in Geomorphology; Models in Geomorphology.

Unit 2: Geomorphology and Economic Deposits; Geomorphology in Ground water studies; Geomorphology in Soil Studies and Mapping; Geomorphology in Engineering Construction; Alluvial Fans and Flood Plains—their morphology, materials and Processes.

PRACTICAL:

Unit 3: Framing Pilot/research Project, Use of Writing manuals.

Unit 4: Application and relevance of statistical and cartographic techniques; Application of compute, remote sensing, GIS and GPS.

Suggested Readings:

1. Ahmed, E. 1985. Geomorphology. Kalyani Publishers, New Delhi.
2. Allison, Robert J. (ed.) 2002. Applied Geomorphology: Theory and Practice. John Wiley, Chichester UK.
3. Bloom, A. L. 1998/ 2001. Geomorphology. 3rd edition. Prentice Hall of India, New Delhi.

4. Chorley, R.J., Schumm, S. A. and Sugden, D. E. 1984. Geomorphology. Methuen and Company Ltd., London.
5. Fairbridge, R.W. (ed.) 1968. Encyclopaedia of Geomorphology. Reinhold Book Corporation., New York
6. Goudie, Andrew (ed.) 2004. Encyclopedia of Geomorphology. Volume 2. Routledge, London.
7. Gregory, K.J. and Walling, D.E. 1973. Drainage Basin Form and Process. Edward Arnold, London.
8. Jog, S. R. (ed.) 1995. Indian Geomorphology (2 vols.). Rawat Publications, Jaipur
9. Kale, V. and Gupta, A. 2001. Introduction to Geomorphology. Orient Longman, Hyderabad.
10. King, C.A.M. 1966. Techniques in Geomorphology. Edward Arnold, London.
11. Kondolf, G. Mathias and Piégay, Hervé (eds.) 2003. Tools in Fluvial Geomorphology. John Wiley, Chichester UK.
12. Marchetti, Mauro and Rivas, Victoria (eds.) 2001. Geomorphology and Environmental Impact Assessment. Swets & Zeitlinger, the Netherlands.
13. Sparks, B.W. 1986. Geomorphology. Longmans, London.
14. Thornbury, W.D. 2005. Principles of Geomorphology. John Wiley, New York. Rev. Ed.

PAPER-IV: Population Dynamics and Family Welfare Programmes

Credits-4, M.M.:100

THEORY:

Unit 1: Introduction and Conceptualization. Concept and Components of Population Dynamics; Distribution of Population; Population Growth: Trends and Theories; Mortality Patterns and Trends; HIV/AIDS Pandemic, Fertility: Trend, Patterns and Determinants; Migration: Trends and Patterns; Population and Resource Relationship; World Population: Major Issues for the 21st century.

Unit 2: Measures and Indices. Data Sources, Error & Adjustment; Measures of Population change (arithmetic, geometric and exponential) and distribution (density, population potential, Lorenze curve); Measures of Mortality: Adjusted and Unadjusted and Life table); Measures of period and Cohort Fertility, Measures and Models of Migration (indirect estimation of internal migration and Ravenstein's law, Zipf's gravity, Todaro's rural-urban); Population Estimates and Projections.

PRACTICAL:

Unit 3: Preparation of thematic appraisal of research paper and its Presentation (Seminar).

Unit 4: Preparation of synopsis (Objectives, Methodology and approaches, Appraisal of thematic and recent literature, Hypothesis/theoretical framework, specific remarks about the theme, Details and Sequence of chapters.

Suggested Readings:

1. Behura, Nab Kishore and Mohanty, Ramesh P. 2005. Family Welfare in India: A Cross Cultural Study. Discovery Publs. House, New Delhi.
2. Birdsall, Nancy; Kelley, Allen C. and Sinding, Steven W. (eds.) 2001. Population Matters: Demographic Change, Economic Growth, and Poverty in the Developing World. Oxford University Press, Oxford.
3. Cassen, R. (ed.) 1994. Population and Development: Old Debates, New Conclusions. Transaction Publishers. New Brunswick and Oxford.
4. Chandra, Shanta Kohli 1987. Family Planning Programme in India: Its Impact in Rural and Urban Areas. Mittal Publs., New Delhi.
5. Chu, C.Y. Cyrus 1998. Population Dynamics: A New Economic Approach. Oxford University Press, New York.
6. Dyson, Tim (ed.) 1989. India's Historical Demography: Studies in Famine, Disease and Society. Curzon Press. London.
7. Dyson, Tim; Cassen, Robert and Visaria, Leela 2005. Twenty-First Century India: Population, Economy, Human Development, and the Environment. Oxford University Press, Oxford and New Delhi.
8. Guilmoto, Christophe and Rajan, Sebastian I. (eds.) 2005. Fertility Transition in South India. Sage, New Delhi and London.
9. Hummel, Diana 2008. Population Dynamics and Supply Systems: A Transdisciplinary Approach. Campus Verlag, Frankfurt.
10. Hunter, Lori M. 2000. The Environmental Implications of Population Dynamics. Rand Corporation, New York.
11. Kar, Bimal Kumar 2002. Women Population of North East India: A Study in Gender Geography. Regency Publications, New Delhi.
12. Macbeth, Helen M. and Collinson, Paul (eds.) 2002. Human Population Dynamics: Cross-Disciplinary Perspectives. Cambridge University Press, Cambridge.
13. Namboodiri, Narayanan Krishnan 1996. A Primer of Population Dynamics. Springer, New York.
14. Prasad, B.K. 2004. Population and Family Life Education. Anmol Publs., New Delhi.
15. Ranade, Prabha Shastri 1990. Population Dynamics in India. APH Publishing, New Delhi.
16. Shanthi. K. 2005. Women in India: Retrospect and Prospect. Anmol Publs., New Delhi.
17. Srinivasan, Venkatesh 2001. Health and Family Welfare Programmes in Developing Countries: Study of Innovations in an Indian State. Aalekh Publishers, New Delhi.
18. Turchin, Peter 2003. Complex Population Dynamics: A Theoretical/Empirical Synthesis. Princeton University Press, Princeton.
19. Unruh, Jon Darrel; Krol, Maarten S. and Kliot Nurit 2004. Environmental Change and its Implications for Population Migration. Springer, New York.