

P. G. Department of Population Studies

Syllabus: 2018-19
M.Phil. in Population Studies



Fakir Mohan University
Vyasa Vihar, Nuapadhi
Balasore - 756 089, Odisha

COURSE STRUCTURE

Paper Code	Paper Name	Marks (End Term + Internal)	Credit
Semester-I			
PS-501	Research Methods, Statistics and Computer Applications	80+20	8
PS-502	Demographic Methods and Issues	80+20	8
PS-503	SPSS, Statistics and Demographic Techniques (Practical)	100	8
Semester-II			
PS-601	Review Paper and Proposal Presentation	50	4
PS-602	Presentation of Findings/ Pre-M. Phil. Presentation	50	4
PS-603	Dissertation and Viva-Voce	200	16
Total Credit Hours		600	48

First Semester

PS-501: RESEARCH METHODS, STATISTICS AND COMPUTER APPLICATIONS

Unit I

Research Process: Purpose, Types and Steps; Formulation of Research Problem; Research Design; Sampling: Concept and Types, and Sample Size Determination; Scaling: Likert Scale; Report Writing: Physical Content and References; Ethics in Social Research.

Unit II

Construction of Interview Schedule/Questionnaire; Data Collection Methods: Observation, Direct Interview and Focus Group Discussion; Data: Concept, Types, Validity and Reliability; Variable: Meaning and Types; Construction of Indices; Presentation of Data: Tabular and Graphic.

Unit III

Arithmetic Mean, Median, and Standard Deviation; Bi-variate Analysis: Cross-tabulation, Pearson Correlation Coefficient, Linear Regression; Theoretical Aspects of Multiple and Binary Logistic Regressions; Test of Significance: Parametric ('t' and 'F') and Non-parametric (Chi-square) Tests.

Unit IV

Computer System, its Components and Important Characteristics; Microsoft Office: Word, Excel and PowerPoint; Search Engine; Role of Computer in Research; Data Analysis in SPSS: Creating Data Frame, Recoding, Creating Variables, Construction of Indices, Cross-tabulation, Correlation and Regression Analyses.

Suggested Readings:

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

- Blalock (Jr.), Hubert M. (1979), *Social Statistics*, McGraw-Hill, New York.
- Croxton, F. E., D. J. Cowden and S. Klein (1982), *Applied General Statistics*, Prentice-Hall of India, New Delhi.
- Goode, William J. and Paul K. Hatt (1952), *Methods in Social Research*, McGraw-Hill, New York.
- Goon, A. M., M. K. Gupta and D. Dasgupta (1985), *Basic Statistics*, World Press, Calcutta.
- Kothari, C. R. (2004), *Research Methodology: Methods and Techniques*, New Age International Publishers, New Delhi.
- Summer M, Englewood and Cliffs (1988), *Computers: Concepts and Uses 2nd ed.*, Prentice Hall Inc., New Jersey.
- Weiss, Robert S. (1968), *Statistics in Social Research: Introduction*, John Wiley and Sons, New York.
- Young, V. P. and F. C. Schmid (1973), *Scientific Social Survey and Research: An Introduction to the Background, Contents, Methods, Principles and Analysis of Social Studies*, Prentice-Hall of India, New Delhi.

PS-502: DEMOGRAPHIC METHODS AND ISSUES

Unit I

Measures of Nuptiality; Age at Marriage; Basic Measures of Fertility; Important Theories: Demographic Transition, Davis-Blake Framework, Bongaart's Proximate Determinant; Adolescent Fertility in India; Linkage of Empowerment of Women with Contraceptive Use; Fertility and Reproductive Health.

Unit II

Morbidity Measures: Incidence and Prevalence Rates; Long and Short Duration Morbidity Rates; Mortality Measures: Crude and Various Specific Death Rates; Life Table and Implication of Life Expectancy; Changing Patterns of Morbidity in Odisha; Methodological Problems Involved in Morbidity Data; Implications of Morbidity and Mortality for Insurance and Public Health Policies.

Unit III

Migration: Concept and Types, Determinants and Consequences; Measures of Internal Migration; Indirect Estimation of Migration: Vital Statistics Method, National Growth Rate Method and Survival Ratio Method; Migration Theories: Ravenstein and Todaro; Issues of Brain Drain, Refugee, Illegal Migration and Human Trafficking; Internal Displacement; Issues relating to Migration and HIV/AIDS and Left Behind.

Unit IV

Factors affecting Distribution of Population; Measures of Urbanization and Urban Population Distribution; Rank Size Rule and Primacy Index; Phenomena of Over-urbanization and Urban Primacy; Salient Features of Urbanization Process in India; Urban Problems in India: Land Use, Slum, Transport, Water and Sanitation, Environment, Human Health; Social Consequences of Urbanization.

Suggested Readings:

- Bhende, A. and T. Kanitkar (2010), *Principles of Population Studies*, Himalaya Publishing House, Mumbai.
- Bose, Ashish and Jatinder Bhatia (1978), *India's Urbanization: 1901-2001*, Tata McGraw-Hill, New Delhi.
- Bouge, Donald Joseph (1969), *Principles of Demography*, John Wiley and Sons, New York.

- Chandana, R. C. (2002), *Geography of Population: Concepts, Determinants and Patterns*, Kalyani Publishers, New Delhi.
- Pathak, K. B. and F. Ram (1992), *Techniques of Demographic Analysis*, Himalaya Publishing House, Bombay.
- Siegel, Jacob S. and David A. Swanson (eds.) (2004), *The Methods and Materials of Demography*, Elsevier Academic Press, San Diego.
- Srinivasan, K. (1998), *Basic Demographic Techniques and Applications*, Sage Publications, New Delhi.
- Yadava, K. N. S. (1989), *Rural-Urban Migration in India: Determinants, Patterns and Consequences*, Independent Publishing Company, Delhi.

PS-503: SPSS, STATISTICS & DEMOGRAPHIC TECHNIQUES (PRACTICAL)

(A) Dealing with Data in SPSS

1. Creating Data Frame
2. Recoding and Creating Variables
3. Assigning Weight and Construction of Indices
4. Graphs, and Cross-tabulation and Chi-square
5. Multiple Correlation and Regression
6. Binary Logistic Regression

(B) Statistics and Demographic Techniques

1. Mean, Median and Standard Deviation
2. Chi-square and 't' Tests
3. Fertility Measures
4. Mortality Measures
5. Migration Measures
6. Urbanization Measures

PS-601: REVIEW PAPER AND PROPOSAL PRESENTATION

PS-602: PRESENTATION OF FINDINGS/ PRE-M. PHIL. PRESENTATION

PS-603: DISSERTATION AND VIVA-VOCE
