

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR  
PURUSHOTTAM THOTE COLLEGE OF SOCIAL WORK NARSALA ROAD,  
NAGPUR-34.

Higher Learning and Research Leading To  
Ph.D. in SOCIAL WORK

(Duration: 1<sup>st</sup> February to 31<sup>st</sup> July, 2013/1<sup>st</sup> August to 30<sup>th</sup> June, 2013)

**Preamble:**

Research at PhD course is essential for the subjects Social Work. It finds selection to the problems in the field as well as equip the students with research theory and skills for conduct of research at doctoral, post doctoral levels and undertake need based research projects and for the development of the society as a whole. The transaction tools like; discussion, group work, seminar, use of web resources, library resources can be used for teaching the paper. The course work of this paper will be taught in total 60 contact hours. Each unit will be taught in 12 contact hours. The contact hours allotted to each unit are adjustable to the total contact hours.

**Objective:**

- 1) To enable to student to understand and work methods and concepts related to Research.
- 2) Demonstrating the ability to use statistical analysis tools and apply them in decision making activities
- 3) To enable the student to develop research proposal and to work with research problem.
- 4) To develop broad comprehension of research area.
- 5) Examining the methods of evaluating and interpreting published research.
- 6) Developing skills needed to research available literature for information relevant to a given topic. Exploring the principles and techniques of topic/project development and testing.
- 7) Examining the methods of evaluating and interpreting data collected in the research process.
- 8) Developing an understanding of the various statistical methods that can be used to analyze data.
- 9) Demonstrating the ability to create a template document that can be used to complete your research project or thesis

Paper No.	Paper	Total Marks	Credits
I	Research Methodology	75	Credits: 03
II	Computer Applications	75	Credits: 03
III	Quantitative Method	75	Credits: 03

**Course work Plan:-**

The above course work classes shall be completed in a semester. The university shall manage part time or continue classes for course work.

**Study plan-**

1. The course work classes are mandatory to attend 3 days in a month alternatively.
2. The assignment should be submitted time to time.
3. Evaluation examination held in end of course time.

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## Paper-I Research Methodology

Total Marks: 60+15Assign

Credits: 03

### Unit-I Introduction:

Meaning, Concept, nature steps of research. Qualities of Researcher, Philosophical and Psycho-Sociological foundations of research, Ethics in research, Interdisciplinary approach and its implications in various research area. Formulation of research problem-criteria of sources and definition, Development of objectives and characteristics of objectives, Development hypotheses and applications.

### Unit-II Methods of Research:

Types of research design; exploratory, descriptive, experimental, evaluative design, participatory research and action research.

Qualitative and quantitative methods of research like Historical, case study, Survey Research, ethnography, ex post facto, documentary and content analysis, survey (Normative, descriptive, evaluative etc.) field and laboratory experimental studies.

### Unit-III Methods of data collection:

Source and types of data : Primary and secondary, objective and subjective,

Methods of collection of primary data : Observation : Structured and unstructured; participant and non-participant. Questionnaire, interview schedule and interview guides; Meaning and construction; pilot study and pretest. Interview: Nature, types and process. Case study

Secondary data : Official data, personal documents, problem in the use of secondary data.

Concept of sampling Probability and non-probability samples, their characteristics and implications.

Tools of data collections; their types, attributes and uses. Redesigning, research tools-like questionnaire, opinnaere, observation, interviews, scales and tests etc.

### Unit-IV Methods of data analysis and Report writing:

Analysis of qualitative data based on various tools. Validity and delimitations of research findings. Principles of report writing and guide lines according to style manuals. Writing and presentation of preliminary, main body and reference section of report. Structure and Components of Research Report, Types of Report, Good Research Report, Pictures and Graphs.

### Unit-V Communication and evaluation of research

Report writing and the writing of research papers, Presentation of research proposals, Research proposal and its elements, Evaluation of research report, Presentation of research : Oral and Written (abstracts/synopsis) Evaluation of research report.

### References:

Bajpai S. R. (1975) Methods of Social Survey and Research, Kitab ghar, Kanpur.

Hans Raj (1988) Theory and Practice in Social Research, Surjeet Publication, Kolhapur.

Krishnaswami O. R. (1988) Methodology of Research in Social Science, Himalaya Pub. House.

Sadhu, Singh, Research Methodology in Social Science

Bhandarkar, Research Methodology

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Gautam, N. C. (2004) Development of Research tools, New Delhi, Shree Publishers.  
Chandera A. and Sexena T. P. (2000) Style Manual, New Delhi, Metropolitan Book Comp. Ltd.  
Shukla, J. J. (1999) Theories of Knowledge, Ahmadabad, Karnavati Publication.  
Bhattacharya, D. K. (2004) Research Methodology, New Delhi, Excel Books.  
Brymann, Alan and Carmer, D. (1995) Qualitative data analysis for social scientist, New York, Routledge Publication.  
Best J. W. and Khan J. V. (2005) Research in Education New Delhi, Prentice Hall India.  
Wilkinson & Bhandarkar: Methodology and Techniques of Social Research.  
Pauline V young: Scientific Social Surveys and Research.  
Panneerselvam, R., Research Methodology, Prentice Hall Of India, New Delhi, 2004.  
Kothari: Research Methodology.  
Festinger. L & D. Katz: Research Methods in Behavioral Science.  
Sellitz, Et Al: Research Methods in Social Relations

## Paper –II Computer Applications

Total Marks: 60+15Assign

Credits: 03

### Unit I: Basics of Computer

Characteristics of Computers, Basic computer organization;  
System software application software, single user, multi user, multi-tasking single tasking  
Introduction to operating system, MS-windows, application software, introduction to operating system, MS-windows, application software

### Unit II: Using Internet for research work

Application of computer for research. The Internet: quick look, what is internet, Data communication concepts, local area network, wide area network, internet, intranet, extranet, website. Email, search engines-enterprise E communication major internet services, working of internet, electronic mail, www, downloading super tools for better computing Internet and the society, searching the keyword search engines, interaction, governments, archives and statistics.

### Unit III: Introduction to research related software's Introduction to SPSS:

Definition, objectives and features, data analysis using SPSS: Data entry creating variables, switching to data labels, data analysis: Frequencies, recording into different variables, Core calculation software, Developing utility programs for research, SPSS cross tabulations and layers. , Introduction to C programming.

### Unit IV: Research related tools and utilities

Research publishing tool-MS Word, Adobe acrobat, Graphics tool-MS Excel, Presentation tool-MS Power point, Subject/field specific tools on www-freeware.

### Unit V: Application of Internet in research


INFLIBNET, Use of Internet, sights (DOAJ), Use of E Journals, Use of E- library, use of EBSCO HOST online database of Academic Libraries

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Coefficient test in social research. Y distribution, Analysis of Variance and 6F distribution. Application of statistics in social work research. Linear Programming - Formulation and Graphical solution to two variables - Assignment Problems, Transportation problems, Queuing Theory - Single Server And Multi-Server, Markov chains with Simulation Techniques - Monte Carlo Simulation, Game theory - 2x2 zero sum game with dominance - pure strategy and mixed strategy, Decision Theory - 5 criteria of decision making

**References:**

- Kothari, C. R. (2005) Quantitative Technique, New Delhi, Vikas Publication House.
- Gupta S.C, Fundamentals of Statistics, Himalaya Publication House, Bombay
- Gupta, Santosh (2005) Research Methodology and Statistical Techniques, Deep and Deep Publications.
- Galtung Johan, (1974), Theory and Methods of Social Research, George Allan and Unwin Ltd., New Delhi
- Kothari C.R.,(2008), Research Methodology- Methods and Techniques, Wiley and Eastern Ltd., New Delhi.
- Mason Emanuel J. and William J. Bramble (1978), Understanding and Conducting Research, Applications in education and the Behavioral Sciences, McGraw Hill Book Company, New York
- Mouly George J. (1964), The Science of Education Research, Eurasia Publishing House, New Delhi
- William Philip at. Al (1973), Evaluation and Assessment of educational Studies: A third level course methods of educational enquiry, The Open University Press, Walton Hall Blethaley Buckinghamshire
- Mariampolski H.(2001) Qualitative Market Research - A Comprehensive Guide Sage Publication, India Ltd, New Delhi
- Black Thomas (2001), Understanding Social Science Research, Sage Publication, India Ltd, New Delhi
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