

Kadi Sarva Vishwavidyalaya

Ph.D. Coursework Syllabus Research Methodology (Faculty of English)

Course Objectives

- To equip the students with an in-depth understanding of how to carry out research.
- To help understand the research process, designs, sampling, data collection methods, analysis, and interpretation.
- To help develop an understanding of writing research reports.

Course Outcomes

- The basic concepts and nature of research
- The knowledge of various technical aspects such as process, sampling, designs, data and its analysis, etc, that shape research.
- The understanding of the structure, layout, and components to be considered while writing a report of the research.

Unit 1. Research Methodology: An Introduction (15% weightage)

Meaning, objectives, types of research, research approaches, significance of research, research methods versus methodology, research process, criteria of good research.

Unit 2. Defining Research problem (15% weightage)

What is a research problem, selecting the problem, essentials of defining the same, techniques involved in defining a problem, review of related literature and why it is important, framing the title, developing research questions and proposal preparation.

Unit 3. Research design and Hypothesis testing (20% weightage)

Meaning and importance of research design, features of a good design, some important concepts relating to research design, different types of research designs, basic principles of experimental designs, literary research, mixed model and mixed method research, formation of objectives and hypothesis (meaning – importance – types – sources – characteristics – forms – difficulties in formulation – testing)

Unit 4. Sampling design, measurement and scaling (15% weightage)

Census and sample survey, steps and implications of a sample design, criteria of a sampling procedure, different types of sampling design, characteristics of a good sample design, measurement in research, measurement scales, sources of error in measurement, technique of developing measurement tools, meaning of scaling, scale classification bases, important scaling techniques.

Unit 5. Methods of data collection and tools for analysis (20% weightage)

Primary, secondary, and territory data, methods of data collection - observation, interview, questionnaire/ schedules, library search/case studies, reliability and validity of tools, descriptive and inferential data- analysis, qualitative and quantitative data, and its analysis.

Unit 6. Interpretation and report writing, and ethics of research (15% weightage)

Meaning, need, and techniques of data interpretation, precautions in interpretation. Significance, steps, and layout of a research report, mechanics of writing a research report, and precautions to be observed. Types of research reports and their oral presentation, ethical considerations of research, citation, plagiarism.

Reference Books

1. Kothari C R, *Research methodology, Methods and Techniques*, Third edition, New Age International Publishers.
2. John W best and James V Kahn. *Research in education, Seventh edition*, Prentice- Hall of India Pvt Ltd Publication.
3. Sharan B. Merriam , Elizabeth J. Tisdell, *Qualitative Research: A Guide to Design and Implementation*, 4th Edition, John Wiley & Sons publication.
4. Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams *The Craft of Research*, Fourth Edition, University of Chicago Press publication
5. M.P. SINHA, *Research Methods in English*, Atlantic Publishers