

**Course objectives**

To make the students aware about the research methods of formulating research project proposal, data collection, writing, analysing and display of data.

**Course Outline**

**1. Introduction**

- Introduction to research, selection and formulation of research problems

**2. Research Design**

- Type of Research: Basic and Applied
- Research Design: Qualitative, Quantitative and Mixed Methods Research Design

**3. Development of Data Collection Tools**

- Questionnaires, Checklists and Interviews
- Coordination Schemas

**4. Data Collection and sampling**

- Primary Data Collection
- Secondary Data Collection
- Sampling Design: Sampling type, sample selection procedure and sample size

**5. Data Entry and Data Cleaning**

- Data Entry into Excel or SPSS
- Checking and Handling Missing Data
- Transcription of Primary Data (In case of Qualitative Data)

**6. Data Analysis**

- Preparing Data for Analysis
- Choosing Statistical Tests in SPSS
- Conducting Descriptive and Inferential Analysis

**7. Report Writing and Presentation**

- Preparing Data Tables, Graphs and Maps
- Writing Results and Discussion Parts
- Writing Conclusion and Recommendations (if any)

**Recommended Books**

1. Neuman, W. L. (2005) "Social Research Methods: Quantitative and Qualitative Approaches". Allyn & Bacon/Longman publishers, London.
2. Giber. N (1993) "Research Social Life". Sage Publication, London.
3. Verma, V. (1988) "Methodology of Research and Techniques". Unmole publishers, New Delhi.
4. Roddy ,C. R. (1987) "Research Methodology in social sciences". Days publishing House, New Dehli.
5. Chaudry, M.I. (1984) "Social Theory (Research and problems)". Aziz publisher, Lahore.