

**Code: ECON-303**

**Title: Research Methods- II**

**Credit Hours: 03**

**Prerequisite: Research Methodology-I**

**Objectives:**

This course is designed to provide students, enrolled in the undergraduate program of Economics, with the skills required to understand different scientific research tools, used for academic as well as professional investigation of the information. Topics, which will be covered, are sampling; quantitative, qualitative, and mixed data collection techniques; data analysis and interpretation and research proposal development. With the help of existing literature, students will be enabled to find gaps and to identify core problems in different economic situations. The students will learn how to process data and conduct research analysis. At the end of semester, the students will enable to write a research report.

**Course Contents**

**Sampling**

Sampling vs Population, Sampling design, Probability sampling, Non probability sampling, Factors affecting choice of sample design, Sample size and factors affecting sample size, Sampling error and Non sampling error.

**Sampling Designs**

Census and sample surveys, Implication of a sample design, steps of sampling design, Criteria of selecting a sampling procedure, Characteristics of a good sampling design, Different types of a sampling design, Random sampling, Complex random sampling

**Data Collection**

Experiments, Survey design, Field study, Primary and secondary data collection

**Methods of Data Collection**

Methods of collecting primary and secondary data, quantitative data collection, qualitative data collection, mixed data collection techniques, Selection of appropriate method for data collection.

**Processing and Analysis of Data**

Processing operations, Elements/Types of analysis, Measure of central tendency, dispersion, Asymmetry, Simple, multiple and partial correlation, Simple and multiple regression analysis, Association in case of attributes.

**Parametric Test of Hypothesis**

Basic concepts and procedure for hypothesis testing, Power of a test, Test of hypothesis about mean and difference between means, Test of hypothesis about proportions and difference between proportions, Variance, Equality of variance, and Correlation coefficient, Limitations of test of hypothesis.

**Steps in Report Writing**

Meaning and need of report writing, Techniques, precautions and significance of report writing, steps in writing report, Layout of research reports, Types of reports, Oral presentation, Mechanics of writing a research report, Precautions for writing research reports.

### **Report Writing**

Abstract, Introduction, Literature review, Methods and data collection, Findings and interpretation, Conclusion and suggestions, References.

### **Recommended Books:**

- Kothari, C. R (2008). Research methodology: Methods and techniques. New Delhi, New Age International Publishers.
- Saunders, M. (2005). Research methods for business studies. Singapore, Pearson Education
- Monette D. R., Sullivan, T.J., & Dejong, C.R. (2010). Applied social research: A tool for the human services. Belmont, CA: Linda Schreiber-Ganster.