

CORE COURSE
SEMESTER III
EC- 3003
RESEARCH METHODOLOGY I
(This course will have *FOUR* credits)

PREAMBLE

The main objective of this paper is to make the students aware of the importance of Research Methodology. Today research is of importance in every field of life. Hence students need sound initiation in the world of research. Thus this syllabus is prepared to equip students with basics of research methodology and also provide them acquaintance with the main ingredients of major sources secondary data on Economics, some hands-on experience in conduct so survey including designing questionnaire and interview schedules, collection of data, analysis of data and preparation of report.

Course Objectives:

- To enable an understanding of Research and its methods under various areas of economics.
- To demonstrate the practical and the applied aspects of research in relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine topics under Economics to pursue research.
- Ability to evaluate and examine subject areas in economics and explore possibilities of research.

1 Introduction

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- 1.1 Research : Meaning ,Nature , Scoup. And Importance
- 1.2 Scientific Research : Methods - Stages /Steps
- 1.3 Social Science Research - Meaning ,Nature , Scoup. And Importance
- 1.4 Review of Literature- Need, Scope, Use and Precautions

2 Research Problem And Design

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- 2.1 Research Problem- Meaning, Identification and Selection of Research Problems
- 2.2 Research design ; Meaning , Objective ,
- 2.3 Need , Characteristics of Research design
- 2.4 Types of research Design – Descriptive, Diagnostic ,Exploratory, Experimental

3 Data Collection And Data Analysis

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- 3.1 Collection of Data – Meaning ,Importance
- 3.2 Sources of data – Primary Data And secondary data
- 3.3 Methods of Primary Data Collection- Questionnaire and Interview method, Schedule , Observation Method; ,
- 3.4 Secondary Data Sources
- 3.5 Sampling Method –Meaning and Types—(Probability and Non-probability)
- 3.6 Analysis of Data- Classification and Tabulation of Data
- 3.7 Computer Use Of Data Analysis

4 Testing of Hypothesis

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- 4.1 Hypothesis: Definitions, Characteristics and Importance
- 4.2 Types Of Hypothesis
- 4.3 Procedure of Hypothesis Testing

- 4.4 Basic Concepts: Level of Significance, Statistical Errors (Type --I and Type II Error)
 4.3 Procedure of Testing of Hypothesis- Parametric and Non-Parametric tests

5 Report Writing

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- 5.1 Objective of Report Writing
 5.2 Importance of Research Report,
 5.3 Features of Research Report
 5.4 Steps/ Element of Research Report
 5.5 Report Writing: Considerations and Precautions,
 Ordering References , Bibliography and Appendix in Research

Basic Reading List:

1. Banamati Mohanty (2015) 'Statistics for Behavioral and Social Sciences' Sage Texts
2. Bryman Alan (2018) 'Social research methods' OUP
3. Cooper Donald R. & Pamela S. Schindler (1999), "Business Research Methods", Tata McGraw-Hill Edition, New Delhi
4. Flick Uwe (2011) 'Introducing Research Methodology' Sage Publications
5. Kothari C. R, Gaurau Garg (2019) 'Research Methodology, Methods and Techniques', New Age International Publications, 4th Edition
6. Kumar Ranjit, (2012), "Research Methodology" 2nd Ed, Pearson Education
7. Wilkinson and Bhandarkar (2016) 'Methodology and Techniques of Social Science Research; HPH
8. Willson Jonathan (2017) 'Essentials of Business Research: A Guide to Doing Your Research Project' Sage Publications

Recommended Readings:

1. Basotia G.R. Sharma K.K. (1999) 'Research Methodology' Mangal Deeop Publications
2. Don E. Ehridge (2004) 'Research Methodology in Applied Economics: Organizing Planning and Conducting Economics Research', John Wiley and Sons
3. Gopal M.H. (1971) 'An Introduction to Research Procedure in Social Sciences', Asia Publishing House
4. Kothari S. R (2012) 'Research Methodology, Methods and Techniques', Pragnun Publications.
5. Khandhare V.B., Yadav Y.,2016, Chinmay Publication ,Aurangabad.
6. Krishnaswamy, O.R. (1993) 'Methodology of Research In Social Sciences, HPH
7. Kurein C. T. (1973) A Guide to Research in Economics' Sangam Publishers for Madras Institute of Development Studies
8. Les Oakshott (2012) 'Essential Quantitative Methods for Business, Management and Finance', Palgrave Macmilan, 5th edition
9. Moser C.A., G. Kalton (1985) 'Survey Methods in Social Investigations' Routedledge
10. BAV Sharma D Ravindra Prasad and P. Satyanarayana (1983) Research Methods in Social Sciences' Sterling publishers, New Delhi
11. Sadhu AN, Amarjit Singh (2007) 'Research Methodology in Social Sciences' HPH
12. Thakur Devendra (2009) 'Research Methodology in Social Sciences' Deep and Deep Publications
13. Young P.V. (1984) 'Scientific Social Survey and Research', Prentice Hall -India

Recommended Journals:

Journal of Mixed Methods Research- Sage

Journal of Applied Social Sciences- Sage

Research in Economics- Elsevier

Social Science Research- Elsevier

The Social Science Journal – Elsevier/ ScienceDirect