

Course No. ECONA309
Course title: Research Methodology
Nature of Course: SEC – 5
Number of credits: 4
Number of Lectures (L): Practical (P): Tutorial (T): 40:00:00

Course Description

This course is designed to rigorously train the students in the concepts, methodology and reasoning involved in analyzing economic behavior of firms and markets, in general, in both static and partial equilibrium frameworks.

Course Outline

Unit	Title	Credits
		L
I.	Introduction to Research Methodology Research: concept, meaning, significance, types, approaches; Criteria of good research; Research problem: selection, need, techniques involved; Reviewing and reporting Literature, Research Design: Meaning, need and Types. Data Collection Techniques: Questionnaire Method: Types, Format and Pre-Testing of Questionnaires. Techniques for Increasing Response of Respondents. Interview Method: Types, Process and Rules of Interviews. Factors affecting interview. Interviewer's Bias. Selection and Training of Interviewers. Observation Method: Types of Observations.	10
II.	Measurement and Scaling Techniques Measurement Scales: Different types of scales - nominal, ordinal, ratio and interval. Accuracy of Measurement and Testing of Reliability. Increasing Reliability. Sampling Techniques: Probability Vs Non-probability sampling methods (Merits, Demerits and Applications).	10
III.	Testing of Hypotheses: Hypothesis: Meaning, and formulation. Types of hypothesis – Procedure for testing hypothesis -Type-I and Type-II errors. One tail, 2-tail test. Parametric Tests: Applications of t, z, and F-test Statistics. Non-Parametric Tests: Application of Chi-Square.	10
IV.	Data Preparation, Analysis and Report Writing Process of data analysis - Editing, coding, tabulation, diagrams. Use of computers: coding, data tabulation and graphic presentation of the data. Report writing: Significance of report writing. Different steps in writing the report - Mechanics of writing a research report. Ethics in research. Presentation of Research Report.	10
Suggested Readings: <ol style="list-style-type: none"> Goode and Hatt, Research Methodology, Prentice Hall Publications, 1959. Kothari, C.R. Research Methodology, Methods and Techniques, New Age International Publisher. Donald R. Cooper and Pamela S. Schindler, Business Research methods, 9th Edition, Tata McGrawHill, 2006. Ghosh, B.N. Research Methodology, Himalayan Publishing House, New Delhi. Alan Bryman and Emma Bell, Business Research methods, Oxford University Press, New Delhi, 2008. Uma Sekaran, Research methods for Business, Wiley India, New Delhi, 2006. K. N. Krishnaswamy, Appa Iyer Sivakumar and M. Mathirajan, Management Research Methodology, Pearson Education, New Delhi, 2006. Sadhu A.N. and A. Singh, Research Methodology in Social Sciences, Himalaya Publishing House. Gopal, M.H., Research Methodology in Social Sciences, Asia Publishing House, New Delhi. 		