

Post Graduate Department of Economics
University of Kashmir, Hazratbal Srinagar – 190006
Syllabus for 3 Year Integrated PhD in Economics (2019)

Course Work Syllabus: Research Methodology

Course Code: ECO-1901RM

Unit 1: Research Methodology: Issues and Perspectives

Research Methodology and its Constituents, Theoretical Perspectives: Paradigms-Positivism and Post Positivism, Realism, Constructivism and Pragmatism, Approaches to social enquiry in Economics-Quantitative approach vs. Qualitative approach, Conceptual vs Empirical; Research Strategies-Induction vs. Deduction, Sampling vs Census, Research Process- Research Problem, Research Question, Literature Review.

Unit 2: Data collection and its analysis

Questionnaire Design, Methods of Data collection, Pilot Survey, Reliability and Validity, Primary Data Data Entry, Tabulation of Data, Statistical and Econometric Applications of Software Packages- Use of SPSS, and STATA, in data Analysis. Formulation of Hypothesis, Testing Hypothesis, Generalization and Interpretation, Report writing.

Unit2: Regression Analysis

Introduction to Simple Regression, Classical Linear Regression Model, Interpreting OLS Estimates. Multiple Regression, OLS Estimation of the Multiple Regression Model, Omitted Variable Bias and Multi-Collinearity. Lagged Variables and Selection of Lag Order.

Unit 3: Time Series and Panel Data

The Nature of Time Series Data, Time Series Regression Models, Stationary and Non-stationary, Testing for unit root. Longitudinal or panel data, Balanced versus Unbalanced Panels, Fixed Effects Model and Random Effects Models.

Suggested Readings

1. David L. Morgan (2014): *Integrating Qualitative and Quantitative Methods*, Sage Publications, New Delhi
Kothari C.R. (1985): *Research Methodology – Methods and Techniques*, Wiley Eastern Publication Chapter 1-3 pp. 1- 67.
2. LeWis-Beck Michael S; Bryman Aan, Tim Futing, Liao (Ed) (2004): *The Sage Encyclopaedia of Social Sciences Research Method*, Volumes 1, 2 and 3, Sage Publications, New Delhi.
3. M. Thamilarasan (2015). *Research methodology for social sciences*. New Century Publications
4. RANJIT KUMAR (2018). *Research Methodology: a step-by-step guide for beginners*. Sage Publications
5. M. Saunders-Philip Lewis-Adrian Thornhill (2016). *Research methods for business students*. Pearson Education Limited
6. William Green - Maxwell (1997). *Econometric analysis*. Macmillan International
7. Jeffrey Wooldridge (2014). *Introduction to econometrics*. Cengage Learning

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