

# ECONOMICS

## MPhil/PhD Coursework

Paper Code	Paper Name	Credit	Marks
ECO-RS-C101	Research Methodology	4	100
ECO-RS-C102	Emerging Areas of Research in Economics	4	100
ECO-RS-C103	Literature Review and Preparation of Research Proposal	4	100

### ECO-RS-C101: Research Methodology

#### UNIT I:

**Introduction to Philosophy of Science and Research Methodology:** Meaning and Significance of Social Science Research, Research in Science and Non-Science Disciplines, Different Approaches to Research, Research Process in Economics, Formulation of Research Problem, Crafting a Research Proposal— Its Role and Elements, Surveying the Literature, Popular versus Scholarly Literature, Types of Reasoning, Critical Reading, Theorizing the Research, Formulation of Hypotheses, The Research Design

#### UNIT II:

**Types and Sources of Data:** Secondary Data Sources— Availability, Features and Methods of Data Collection, NSSO, RBI, Economic Census, Population Census, ASI, PROWESS, EPWRF and others. Primary Data— Observation, Interview and Questionnaire/Schedule, Pilot Survey, Reliability and Validity. Sampling and Data Collection— Population and Sample, Sample Size, Types of Sampling— Probability and Non-probability Sampling, Error Minimization, Evaluation of Time and Cost, Sample Weights, Choice of Sampling Design.

#### UNIT III:

**Data Compilation and Analysis:** Data Extraction, Importing Data, Data Entry, Editing, Cleaning and Coding (using MS Access, MS Excel, SPSS), Classification and Tabulation. Methods of Analysis— Descriptive Statistics, Graphs, Correlation, Regression Analysis, Problems in Regression Analysis, Dummy Variables and its uses, Qualitative Response Regression Models, Limited Dependent Variable Regression Models, Regression Models with Count Data, Method of Instrumental Variables (*the aim will be to explain econometrics from a practical point of view, thus the focus will be on interpretation and generalisation. These topics will be taught with STATA software*)

#### UNIT IV:

**New Developments/Communicating the Findings:** Endogeneity and Causality, Self-Selection, Hurdle Models, Decomposition Methods, Matching Methods, Distributional Effects. Communicating the Findings— Interpretation and Generalisation, Systematisation of Findings,

Presentation of Results, Writing a Research Report, References and Bibliography, Oral Presentation, Copyright and Plagiarism.

**Selected Reading List:**

1. Anderson, D.R., Sweeney, D.J. and Williams, T.A. (2001), *Statistics for Business and Economics*, Cengage Learning, New Delhi.
2. Angrist, J. and Pischke, J. (2009). *Mostly harmless econometrics: an empiricist's companion*. Princeton University Press.
3. Chandrasekhar, C.P. and Tilak, J.B.G. (2001), *India's Socio-economic Database: Surveys of Selected Areas*, Tulika, New Delhi.
4. Ethridge, Don. (1995) *Research Methodology in Applied Economics*. Ames IA: Iowa State University Press.
5. Goode & Hatt (2006): *Methods in Social Research*, McGraw Hill, California
6. Gujarati, D. (2014), *Econometrics by Example*, Palgrave Macmillan, Hampshire, UK
7. John Creedy (2008), *Research without Tears: From the First Ideas to Published Output*, Edward Elgar, Cheltenham, UK.
8. Manski, C. 1995. *Identification Problems in the Social Sciences*. Cambridge: Harvard University Press
9. Steven A. Greenlaw (2005) *Doing Economics: A Guide to Understanding and Carrying Out Economic Research*
10. Wooldridge, J. M. (2002), *Econometric Analysis of Cross Section and Panel Data*, MIT Press, Cambridge MA.

## ECO-RS-C102 : Emerging Areas of Research in Economics

**Total Credit: 4**

### UNIT I:

**Social Capital, Governance and Development:** Social capital formation for economic development— understanding and measuring social capital, trust, cooperation; Corruption, governance, development and displacement; collective action in unequal society; Multi-dimensional poverty; Economics of disaster and risk reduction; Green growth.

### UNIT II:

**Geopolitics, Economic Integration and Development:** Economics of global terrorism, sectarian movement, territorial autonomy; India's economic relation with the neighbours, Indian-ASEAN economic cooperation, India-China trade relation; India's North-eastern region and its neighbour, Act East Policy.

### Unit III:

**Agriculture and Social Sector:** Peri-urban agriculture, Contract farming, Farmer-producer organisation, National agriculture marketing system, Commodity market, Locavore movement; Tourism Demand— modelling tourism, micro foundations of tourism demand, Education and Development— New Educational Policy, Financing public and private higher education; Economics of health and health care

### Unit IV:

**Infrastructure, IT and Institutional Economics:** Information technology and economic development; Information and free riders; Technology, production and institutions; Institutional economics— institutional structure and production; Bargaining, social cost, transaction cost and theory of firm; Economies of agglomeration; Contract theory; Gravity in weightless economy.

### Selected Reading List:

1. Christiaan Grootaert and Thierry van Bastelaer (2001). *Understanding and measuring social capital: A synthesis of findings and recommendations from the social capital initiative*, Social Capital Initiative Working Paper 24, Washington DC: World Bank.
2. Partha Dasgupta and Ismail Serageldin (Eds. 1999). *Social Capital: A Multifaceted Perspective*, Washington, D.C.: The World Bank.
3. Robert D. Putnam (2000). *Bowling Alone*, New York: Simon & Schuster.
4. Tisdell Clement. A (Eds. 2013). *Handbook of Tourism Economics— New Applications and case Studies*, New Jersey: World Scientific.

5. Sinclair, T. M and Stabler, Mike (2002). *The Economics of Tourism*, New York: Routledge.
6. Hart, O. and Holmstrom, B. (2016). *Contract Theory*, The Royal Swedish Academy of Sciences, The Committee for the Prize in Economic Sciences in Memory of Alfred Nobel.
7. Heller, Patrick and Rao, Vijayendra (2015). *Deliberation and Development— Rethinking the Role of Voice and Collective Action in Unequal Societies*, Washington DC: World Bank
8. North, Douglass (1995). *The New Institutional Economics and Third World Development*. In John Harris, Janet Hunter and Colin M. Lewis (eds.), *The New Institutional Economics and Third World Development*. London and New York: Routledge.
9. Ronald Coase and Ning Wang (eds 2012). *How China Became Capitalist*. New York: Palgrave Macmillan.
10. Arun Kumar (2002). *Black Economy in India*, New Delhi: Penguin Books.
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## **ECO-RS-C103 : Literature Review and Preparation of Research Proposal**

### **Total Credit: 4**

The paper ECO-RS-C103 (Literature Review and Preparation of Research Proposal) aims to expose the newly enrolled research scholars to practical works, train them how to apply the theories, research techniques and models. It also aims to train the scholars how to write a dissertation and make them to present their work effectively. This paper will be evaluated through assignments and presentations spread across the semester and will not have any end semester examination. Faculty members are expected to guide the scholars intensively in this course through one-to-one interaction. The scholars will be distributed to the faculties depending on their areas of interest and specialization.