

Post Graduate Department of Economics
University of Kashmir, Hazratbal Srinagar – 190006
Syllabus for 3 Year Integrated PhD in Economics w.e.f. (2024) Onwards

Course Work Syllabus: Research Methodology

Course Code: ECO-2401RM

Unit I: Research Methodology: Issues and Perspectives

Research and its classification – Basic vs Applied Research, Disciplinary, Subject-matter and Problem Solving, Analytical vs Descriptive, Qualitative and Quantitative. Research Methodology and Research Methods. Philosophical Foundations – Positivism, Normativism and Pragmatism. Scientific Approach – Induction and Deduction. Research Design

Unit II: Collection and Hypothesis Testing

Data considerations – Census vs Sampling, Primary vs Secondary, Methods of Primary Data Collection. Questionnaire Design, Pilot Survey. Sources and Compilation of Secondary data. Hypothesis Testing – z-test, t-test, chi-square and F-tests.

Unit III: Analysis of Data

Introduction to Simple Regression Analysis, Classical Regression Analysis Model, Estimation and Interpretation of OLS Estimates. Multiple Regression – OLS Estimation and Interpretation. Violations of CLRM -Tests and Remedies

Unit IV: Time Series and Panel Data Econometrics

Stochastic Process, Concept of Stationarity using AR, MA and ARMA process, Non-stationarity Process – Random Walk with and Without Drift, Testing for unit root. Cointegration and Causality. Panel Data - Balanced versus Unbalanced Panels, Fixed Effects vs. Random Effects Models. Software Packages- STATA, E-VIEWS-Computer Exercise

Suggested Readings

1. Ethridge, Don (2004). *Research Methodology in Applied Economics*. Blackwell Publications.
2. Elhance, D. N. (2018). *Fundamentals of Statistics*. Kitab Mahal.
3. Gujarati, D. N. (2009). *Basic econometrics*. McGraw Hill Education.
4. Brooks, C. (2019). *Introductory econometrics for finance*. Cambridge university press.
5. Asteriou, D., & Hall, S. G. (2021). *Applied econometrics*. Bloomsbury Publishing.
6. William Green - Maxwell (1997). *Econometric analysis*. Macmillan International
7. Jeffrey Wooldridge (2014). *Introduction to econometrics*. Cengage Learning

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Course Title: Recent Advances in Economics

Course Code: ECO2402-RA

Unit I: Global Political Economy and Trade Dynamics

- Political Economy of Protectionism: Evidence from Recent Trade Wars (2019 Onwards)
- Trade, Embedded Carbon Emissions, and the EU Carbon Border Adjustment Mechanism (CBAM)
- Special Drawing Rights (SDRs) and the COVID-19 Crisis
- Diamond–Dybvig Model and Its Contemporary Relevance
- Introduction to Behavioural Economics: Expanding Beyond Neoclassical Models

Unit II: Economic Policy and Welfare Dynamics in India

- Political Economy of Land Acquisition in India: Role of Wedge Politics and Electoral Dynamics
- Poverty Estimation in India: Contemporary Issues and Methodological Advancements
- Social Safety Nets: Chinese Dibao, Bolsa Família (BF), and MGNREGA—Novel Issues
- Indian Farm Acts (2020) and Their Socio-Economic Impacts
- Make in India Programme: Recent Developments and Issues

Unit III: Innovation, Digital Transformation, and New Economic Paradigms

- Broad Bracketing vs. Narrow Bracketing: Behavioral Insights into Economic Decision-Making
- Fintech and Digital Currencies: Revolutionizing Financial Inclusion
- Gig Economy in India: Drivers, Challenges, and the Road Ahead
- Auction Theory and New Auction Formats: Contributions of Paul R. Milgrom and Robert B. Wilson
- Experimental Approach to Alleviating Global Poverty: Banerjee, Kremer, and Duflo's Contributions

Unit IV: Regional Development and Environmental Sustainability in Jammu & Kashmir

- De-industrialization in Jammu & Kashmir: Recent Trends and Policy Interventions
- J&K Industrial Policy (2021-30): Vision and Strategic Priorities
- Indus Water Treaty: Contemporary Issues and Relevance for J&K
- Exploring Multi-dimensional Poverty in Jammu & Kashmir: Measurement and Policy Response
- Tourism and Sustainable Development in J&K: Challenges and Opportunities

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Suggested Readings

- Barrows, Geoffrey and Helene Ollivier (2021), “Foreign Demand, Developing Country Exports, and CO2 Emissions: Firm-level Evidence from India”, *Journal of Development Economics*, 149 Issue C: 102587.
- Büscher, B. (2020), *The Truth About Nature: Environmentalism in the Era of Post-truth Politics and Platform Capitalism*. University of California Press.
- Cartwright, E. (2014): “Behavioral Economics”, Routledge, Chapter 1.
- Chakravorty, Sanjoy, "Land Acquisition in India: The Political Economy of Changing the Law", in Sanjoy Chakravorty, and Amitendu Palit (eds), *Seeking Middle Ground: Land, Markets, and Public Policy* (Delhi, 2019; online edn, Oxford Academic, 21 May 2020).
- Crouch, C. (2019), *Will the Gig Economy Prevail?*, John Wiley & Sons.
- Destek, M. A., & Aydın, S. (2022). An empirical note on tourism and sustainable development nexus. *Environmental Science and Pollution Research International*, 29(23), 34515–34527. <https://doi.org/10.1007/s11356-021-18371-9>
- Ellis, A., & Freeman, D. J. (2024), "Revealing Choice Bracketing", *American Economic Review*, 114(9), 2668-2700.
- Fredriksson, P., Jävervall, S., Mörk, E., Persson, T., & Svensson, J. (2021), “Alleviating Global Poverty: A Note on the Experimental Approach.” In *Poverty in Contemporary Economic Thought*, Routledge.
- Graham, M., & Joe, S. (2017), *Towards a Fairer Gig Economy*, Meatspace Press.
- Jeelani, P., Shah, S. A., Dar, S. N., & Rashid, H. (2022). Sustainability constructs of mountain tourism development: The evaluation of stakeholders’ perception using SUS-TAS. *Environment, Development and Sustainability*, 24(8). <https://doi.org/10.1007/s10668-022-02401-8>
- Klemperer, P. (1999), “Auction Theory: A Guide to the Literature”, *Journal of Economic Surveys*, 13(3), 227-286.
- Krishna, V. (2009), *Auction Theory*, Academic Press.
- Loewenstein, G., Rabin, M., Keren, G., Laibson, D. (1999), “Choice Bracketing.” In: Fischhoff, B., Manski, C.F. (eds), *Elicitation of Preferences*. Springer, Dordrecht.
- Milgrom, P. R. (2004), *Putting Auction Theory to Work*, Cambridge University Press.
- Oxfam Briefing Paper (2024), *Beyond Crises: The Future of Special Drawing Rights as a Source of Development and Climate Finance*.
- Perdana, Sigit, and Marc Vielle (2022), “Making the EU Carbon Border Adjustment Mechanism Acceptable and Climate-Friendly for Least Developed Countries”, *Energy Policy*, 170: 113245.
- Special Drawing Rights (SDRs) and the COVID-19 Crisis, *COVID-19 Report, ECA-ECLAC* (2022).
- Uma Kapila (2024), *Indian Economy Since Independence* (35th Edition 2024-25), AF Press.
- Vallas, S., & Schor, J. B. (2020), “What Do Platforms Do? Understanding the Gig Economy”, *Annual Review of Sociology*, 46(1), 273-294.
- Van der Meulen Rodgers, Y., Bebbington, A., Boone, C., Dell’Angelo, J., Platteau, J. P., & Agrawal, A. (2020), “Experimental Approaches in Development and Poverty Alleviation.” *World Development*, 127: 104807.

In addition, scholars are encouraged to use other relevant references.