Syllabus for Ph.D in Economics, JMI

(Paper I) Course on Research Methodology

Unit-1:

- Introduction to philosophy of science and research methodology
- Research Design: Need for research design, Features of a good research design, Different research design
- Experimental survey: Basic principles of experimental design
- Case studies - problems and limitations.
- Planning and implementing research projects: planning a research project, problem formulation, research strategy and methods

Unit-2:

- Methods of Data Collection: Direct method and Indirect methods
- Data collection through questionnaires and schedules
- Problems in data collection
- Data processing: Operations and Problems in data processing
- Sampling design: meaning and its applications
- Measurement and scaling techniques: Measurement Scales and Sources of errors in measurement

Unit-3:

- Analysis of Data: Measures of and analysis Central Tendency, Dispersion, Skewness and Kurtosis
- Theoretical Distributions: Normal, Poisson and Binomial
- Statistical Estimation and Testing of hypothesis.

Unit-4:

- Methods of Analysis: Simple and Multiple Regression
- Time series analysis
- Problems in econometric estimation

Unit-5:

- Documentation - writing the research thesis
- Introduction to statistical and econometric software
Readings:

Kothari, C.R., Research Methodology
Ghosh, B.N., Scientific Methods and Social Research.
Foercese, D.P. and Richer, S., Social Research Methods.
Wilkinson, T.S. and Bhandarkar, P.L., Methodology and Techniques of Social Research

(Paper II) Advanced Topics in Economics

Unit 1: Micro and Macro Economics
- Consumer Demand Theory: Choice under Certainty and Uncertainty
- Theory of Production and Cost
- Inflation and Unemployment in the Closed and Open Economy
- Macro policy options

Unit 2: International Trade, International Finance, Corporate Finance
- Modern theory of trade and trade Policy,
- Intra-Industry Trade, Free Trade versus Protection, Analysis of gains from free trade.
- Theories of Balance of Payment and exchange rate determination
- Policy Conflicts and Adjustment under Fixed and Flexible Exchange Rates
- Modern Investment Theory
- Financial Derivatives

Unit 3: Development and Growth Theory
- Theories of under-development
- Classical Growth Models
- Endogenous Growth Models
- Sustainable Development

Unit 4: Economic Issues and Policy-I
- Planning and Economic Reforms
- Financing of Infrastructure Development, Education Sector,
- PSUs, Privatization and Disinvestment,
- Fiscal and Monetary Policy Approaches
- Tax Reforms, Central Government Finances
• Financial Sector Reforms, Money and Capital market.
• Foreign Trade Liberalization, Balance of Payments, Exchange Rate
• World Trade Organization (WTO) and Indian Competition Policy.
• Patterns (structure) of India's Foreign Trade and India's Trade Policy, RTAs and FTAs.
• WTO and Effects of Trade (Liberalization and Globalization) on Poverty, Inequality, Environment, Gender, Labour Standards, Technological Transfers etc.

Unit 5: Economic Issues and Policy-II
• Poverty, Income Distribution and Justice
• Migration and Demographic Transition
• Land Reforms in India and their impact on Agrarian Structure
• The New Economic Policy and Indian Agriculture
• Nature and Problems of Rural Development in India
• Indian Industry and Structural Changes
• Rural industrialization and strategies
• Rural poverty alleviation and employment programmes

Reading List:

Unit 1
• Jehle & Renne, Advanced Microeconomic Theory, Pearson Education, India
• Kreps, David M.(1998), A Course in Microeconomic Theory, Prentice Hall, India, New Delhi (For Unit V).
• Jha, R. (1991)– Contemporary Macroeconomic Theory and Policy; (Wiley Eastern)
• Levacic, R and A. Rebman (1986) – Macroeconomics; (2nd Ed, Macmillan).
• Mankiw, N.G. and D. Romer (eds.) (1991) – New Keynesian Economics; (MIT, Cambridge)
• Davidson, Paul (1994), Post Keynesian Macroeconomic Theory, Aldershot, UK: Edward Elgar.

Unit 2
• Caves, Jones and Frankel (1999), World Trade and Payments, 8th edition, Addison-Wesley.
• Pecchioli, R.M., The Internationalization of Banking, OECD, Paris; 1983

Unit 3
• Aggarwal and Singh (1958): The Economics of Underdevelopment. Oxford university Press, New Delhi
• Harris. John: (1982), .Rural Development - Theories of Peasent Economy and Agrarian change

Unit 4 and Unit 5
• World Bank; Re-Energising the Agriculture Sector to Sustain Growth and Reduce Poverty – Oxford University Press, New Delhi – 2005.
• Chelliah Raja J; Fiscal Policy in under developed countries, George Allen and Unwin, London 1971
• Bhargava, R.K.; Some Aspects of Indian Public Finances, Uppal Publishing House, New Delhi – 1985
• Ashok Rudra (1965) Economics of Agricultural Production and Resource Use, Prentice Hall
• Khusro AM. (1968) Readings in Agricultural Economics, Allied, Bombay
• Schultz T.W. (1964 Transforming Traditional Agriculture, New Have, Yale University Press
• David A.M. Lea and D.P. Chaudhri (Ed), Rural Development and the State
• Harris John. (Ed). 1982, Rural Development theories of Peasant economy and agrarian change, Hutchison University library, South Africa
• Basu Kaushik, Agrarian Questions, Oxford University Press
• Battacharya S.N., Rural Industrialization in India
• Rao R.V., Rural Industrialization in India
• Bagchi V., Khadi and Village Industries in the Indian Economy
• Vasant Desai., Organization and Management of Small Scale Industries
• Sundaram J.B., Rural Industrial Development
• Vasant Desai, Problems and Prospects of Small Scale Industries in India
• Mehan K K , Small Industry Entrepreneurs Handbook
• Dandekar V.M. and Rath .N. –poverty in India
• Government of India – evolution of community development programme in India
• Desai, Vasant – study of rural economics, Himalya Publishing Company, New Delhi
• Krishnamurthy V.T. –community development India
• Jain P.C. – Agriculture Reforms in India
• R.B.I Report on SFDA - -R.B.I. Mumbai
• Government of India, Ministry of Finance, Economic Devisision Economic Survey- various issues
• Jain ,P.C. Agricultural Reforms in India