Module 1: Research Methodology
Concept of Scientific Research-Characteristics of Social Science Research-Types of research: Pure and Applied Research, Descriptive research, Diagnostic Research, Explorative research and Action research.


Status of Social Science research in India. Plagiarism and its testing software: Viper and Turnitin.

Module 2: Types of Data and Sampling Methods
Data Measurements: Nominal, Ordinal, Interval and Ratio scales. Types of Data: Qualitative versus quantitative data. Time series, Cross section and Panel data. Primary and Secondary data. Data Sources.

Different types of samples: random sample, stratified sample, multistage sample, cluster sample, systematic sample and snow ball sample. Methods of choosing optimum sample size.

Module 3: Basics Tools for Data Analysis

Module 4: Econometric Tools and applications
Review of basic statistical measures: Central tendency Dispersion and Skewness. Bivariate data analysis: Correlation, Regression, Multiple Correlation and Partial Correlation.


Economic forecasting: AR, MA, ARIMA and their estimation using statistical packages viz. SPSS, EViews, Stata, Gretl, Give-Win and ‘R’.

Module 5: Multivariate Analysis and its applications
References

7. Robert K Yin 2010, Qualitative Research from start to finish, Guilford pub.
18. K X Joseph *Basic Econometrics*, Coop Society, University of Calicut
PAPER II: ECONOMIC THEORY AND APPLICATIONS

Module 1: Microeconomic Fundamentals and Applications

Estimation and Forecasting of Demand. Elasticity Estimation. Concept of rationality, choice under uncertainty-expected utility function-equilibrium conditions-measures of risk aversion-demand for insurance.

Cost behavior, Production Function-surrogate, Translog, VES

Decision making under certainty and uncertainty. Game theory and its applications. EMV Criterion

Module 2: Foundations of Macroeconomic Theory

Definition and measurement of basic concepts in national income Accounting. UNSNA, Indian National Accounts Statistics methods of estimations and reliability

Micro Economic Foundations of Macro Economics; concept of fallacy of composition

An Overview of the warring schools of macroeconomics

Module 3: Theories of Growth; and Development Issues

Approaches to Development: classical, Keynesian and Neo-classical approaches. Concept of innovation and its role on economic development. Role of institutions in economic development.

Pattern of economic growth across countries and over time. Why some countries are rich, and why are some other poor? Question of growth rates

Public Debt, Deficit and Economic Growth – empirical evidences?

Module 4: Trade and Development (Review of Literature)


Module 5: Environment and Development-

Environment and Development- Inter relationship and the question of right mix.

Field work: Students are expected to visit a place of importance on environment - related issues and write two research reports on the basis of field work by two groups.
Reference

12. Phelps, S, Edmund (1990) *Seven Schools of Macroeconomic Thought*
21. Ahluwalia and I.M.D. Little “India’s Economic Reforms Essays in Favour of Manmohan Singh”, OUP
25. Meir and Meir Leading Issues in Economic Development
PAPER III: SELECTED TOPICS IN INDIAN ECONOMY

Module 1 - Growth and Structural changes in Indian Economy

Growth in GDP and PCI - Sectoral contribution to GDP and employment - factor payments - public and private sector-service sector as the biggest contributor to regional disparity in India. Inter-state variations in growth and development-HDI, GDI and GEM.

Module 2 - Issues of Indian Agriculture and Industry

Role of Agriculture and industry in the national economy - in terms its contribution to national income and employment. The role of reforms and World Trade Agreements on Indian Agriculture and industrial growth. Tracing the reasons for the changing cropping pattern. Capital formation and subsidy in the Indian agriculture. Growth and structure of the Indian industry. Tracing the reasons for the industrial backwardness. Performance of public sector enterprises.

Module 3 - Poverty in India: Measurements and debate


Module 4 - Unemployment and Inflation in India


Module 5 - Issues of Trade, Finance and BoP

Suggested Readings:

4. VM Danekar and Nilakantha Rath, Poverty in India, Indian School of Political Economy, Pune, 1971.
5. Sanjeev Kumar, Foreign Direct Investment in India, BR Publishing Company Delhi, 1996.
15. ET Mathew Employment and Unemployment in Kerala, Sage publishers, New Delhi, 1997
19. K.K. George Limits to Kerala Model of Development CDS.