University of Rajasthan
Jaipur
SYLLABUS

M.A.
ECONOMICS
(Semester Scheme)

I/II Sem. - 2015-2016
III/ IV Sem. - 2016-2017

Prepared by

Checked by

Asstt. Registrar (Acad./I)
University of Rajasthan
Jaipur
The Department of Economics offers four semesters full-time M.A. Degree Course having eighteen courses in all, out of which fourteen courses are compulsory core courses and four elective core courses. Each paper of three hour duration with maximum 100 marks will fetch 9 credits in first two semesters and 9 credits in last two semesters.

Note: Each question paper shall consist of three parts. Part A shall contain 10 questions carrying two marks each. The candidate is required to answer each question in 20 words. Part B shall contain four questions carrying five marks each. The candidate is required to answer each question in 150 words. Part C shall contain three questions (one from each module) with internal choice carrying 20 marks each.

**Courses for Semester – I**

**Compulsory Core Courses**
- Paper I – Microeconomic Theory – I
- Paper II – Macroeconomic Theory – I
- Paper III – Mathematical Methods for Economics

**Elective Core Courses**
The candidate is required to select any one elective course from the following:
- Paper IV (A): Agricultural Economics
- Paper IV (B): Indian Banking System
- Paper IV (C): Industrial Economics-I
- Paper IV (D): Mathematical Economics-I

**Courses for Semester – II**

**Compulsory Core Courses**
- Paper V – Microeconomic Theory – II
- Paper VI – Macroeconomic Theory – II
- Paper VII – Statistical Methods
Elective Core Courses
The candidate is required to select any one elective course from the following:

Paper VIII (A): Demography
Paper VIII (B): Indian Financial System
Paper VIII (C): Industrial Economics – II
Paper VIII (D): Mathematical Economics – II

Courses for Semester – III

Compulsory Core Courses

Paper IX – Public Economics- I
Paper X – International Trade Theory
Paper XI – Economics of Development and Growth –I

Elective Core Courses
The candidate is required to select any one elective course from the following:

Paper XIII (A): Economics of Infrastructure -I
Paper XIII (B): International Finance
Paper XIII (C): Health Economics
Paper XIII (D): Econometrics - I

Courses for Semester IV

Compulsory Core Courses

Paper XIV –Public Economics-II
Paper XV – Trade Policy and International Monetary System
Paper XVI – Economics of Development and Growth –II

Elective Core Courses
The candidate is required to select any one elective course from the following:

Paper XVIII (A): Economics of Infrastructure -II
Paper XVIII (B): Survey Methods
Paper XVIII (C): Indian Health Care System
Paper XVIII (D): Econometrics - II
Semester - I

Compulsory Core Courses

Course ECO 101: Microeconomic Theory – I

Module – 1


Module – 2


Module – 3


Books Recommended:

Course ECO 102: Macroeconomic Theory – I

Module – 1


Module – 2


Module – 3

Classical, Keynesian, and Post Keynesian Theories of Demand for Money - Inventory Theory of Baumol and Portfolio Balance Theory of Tobin; Restatement of Quantity Theory of Money by Milton Friedman and Patinkin’s Theory for Money Demand; Supply of Money – Measurement, Components, Determinants, High-Powered Money & Money Multiplier and Theories of Money Supply.

Books Recommended:

1. Errol D’Souza, Macroeconomics, Pearson Education.
Course ECO 103: Mathematical Methods for Economics

Module – 1

Concept of a Function; Limit, Continuity and Differentiability of a Real Valued Function; Concave and Convex Functions. Derivatives – Simple Differentiation; Maxima, Minima and Point of Inflexion and Applications of Simple Differentiation in Economics, Partial Differentiation and Unconstrained and Constrained Optimisation Two Indendent Variable Case), Simple Applications in Economics.

Module – 2

Integration; Indefinite and Definite; Applications, First order Difference and Differential Equations and their Application in Economics.

Module – 3

Matrices and Determinants and their Applications in Economics, Vectors, Basic Input-Output Model (determination of gross output), Linear Programming (graphical and simplex methods), Game Theory – Two Person Constant and Zero Sum Game (only Saddle Point solution).

Books recommended:

Elective Core Courses

The candidate is required to select one elective course from the following:

ECO A01: Agricultural Economics

Module 1:
Importance of agriculture and interdependence between agriculture and industry, institutional and technological changes, Production functions in agriculture, resource use efficiency factors of production.

Farm size and productivity relationship in Indian agriculture, farm budgeting concept of cost supply of individual crops and aggregate supply price relationship.

Module 2:
Characteristics of factors markets inter-linkages between land, labour and capital markets

Role of capital and agricultural credit- organized and unorganized capital market, uncertainty and crop insurance agricultural produce markets and marketing efficiency.

Behavior of agricultural prices, demand and supply of agricultural products and cobweb cycles prices and income stability.
Module 3:

Agricultural price policy in India, agricultural growth in India inter-regional variation in growth of output and productivity.

Agricultural growth in Rajasthan cropping pattern changes in India institutional changes. Land reform credit structure and marketing.

Supply of inputs — irrigation power seed fertilizer pricing of inputs problem of mobilization of resources from agriculture.

Books Recommended:

2. T.W. Shultz: Transforming Traditional Agriculture.
4. Krishna Bhardwaj: Production and conditions in Indian Agriculture.
6. D.S. Tyagi and G.S. Bhalla: Agricultural Development in India

ECO A02: Indian Banking System

Module 1:

Indian Banking system as on the eve of bank nationalization, Structure and development of commercial banks in India since 1969. branch expansion programme and policy, deposit mobilization and sectoral allocation of Bank credit. Concept of social and mass banking. Point sector advances and advance to the neglected sections of the society.

Financial Sector Reforms – Context, need and objectives. Implementations of the Narsimbham Committee recommendations. Issues in financial reforms.

Module 2:

Rural Banking - Overall structure and review of the contribution of major credit cooperatives, commercial banks and Regional Rural banks including that of NABARD.


Module 3:


Books Recommended:
Module 1:

Industrialization and development. Interdependence of industrial sectors: backward and forward linkages. Location of Industries, Theories and measures of Industrial localization (Sargent F. & A. Weber). Localization of Industries in India. Industrial project selection criteria.

Module 2:


Monopoly power and oligopolistic market structure. Measures of sellers' concentration. Determinant of sellers' concentration: economies of scale, barriers to entry, mergers, size and growth of markets.

Module 3:

Market conduct under oligopoly: Rivalry and collusive conduct. Dominant firm behavior and potential competition. Limit price and contestable markets. Non-price competition with reference to advertising.


Books Recommended:

Course ECO A04: Mathematical Economics – I

Module – 1

Theory of Consumer Behaviour-Nature of a Utility Function; Properties of an Indifference Curve; Maximization of Utility; Demand Functions: Ordinary and Compensated, Price and Income Elasticity, Elasticity Relations in Demand Analysis and Restrictions on Demand Functions; Slutsky Equation - n- Commodity Case, Elasticity Form and Important Results; Income and Leisure - Derivation of Labour Supply Function and its Properties; Linear Expenditure System- Properties and Derivation of Linear Demand Functions; Homogeneous and Homothetic Utility Functions; Indirect Utility Functions- Properties, Derivation, Roy's Identity and Derivation of Direct and Inverse Demand Functions; Consumer's Surplus.

Module – 2


Module – 3

Input Demand Functions- Properties and Derivation of Producer's Input Demand Functions (through profit maximization); Cost Functions- Properties and Derivation of

Note: Use of non-programmable calculator is permitted.

Books Recommended:

2. RGD Allen, Mathematical Economics, Macmillan.

Semester - II

Compulsory Core Courses

Course ECO 201: Microeconomic Theory - II

Module 1

Module 2


Module 3


Books Recommended:


Course ECO 202: Macroeconomic Theory – II

Module 1

Module 2

Open Economy Macroeconomics- Trade Balance; Exchange Rates and International Monetary System; Mundell-Fleming Model; Analysis of Fiscal, Monetary and Trade Policies under Imperfect Capital Mobility and Perfect Capital Mobility with Fixed and Flexible Exchange Rate Systems; Classical, Keynesian and Monetarist Approaches to Inflation and Policies to Control Inflation; Phillips Curve Analysis; Expectation Augmented Phillips Curve Analysis; Natural Rate of Unemployment Hypothesis; Adaptive Expectation Hypothesis. Role of RBI in Inflation Control, Credit Control and Economic Stability.

Module 3


Books recommended:

2. Errol D’Souza, Macroeconomics, Pearson Education.

Course ECO 203: Statistical Methods

Module 1


Alpang
Module 2

Analysis of Time Series and Curve Fitting, Index Numbers.
Probability, Mathematical Expectation, Probability Distributions (Binomial, Poisson, and Normal)

Module 3

Sample and Survey Methods, Testing of Hypothesis, Application of Z, t, F & $X^2$ tests, Association of Attributes, Analysis of Variance.

Book recommended:


Elective Core Courses
The candidate is required to select any one elective course from the following:

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Module 1:

Population study and demography: Its relation with other disciplines, theories of population, Malthus, optimum theory of population and theory of demographic transition, historical evidence of population growth in developed and developing countries, Population as limits to growth and as ultimate source.

Sources of Demographic data in India: Census civil registration system and demographic survey National Family Health survey objectives and Findings.

Module 2:

Techniques of Analysis crude birth and death rates, age specific birth and death rates infant mortality maternal mortality standardized birth and death rates – study of Fertility: Total fertility rate, gross reproductive rate, and net reproduction rate age pyramids life table: meaning of its columns and its uses – reproductive and child health in India temporal and spatial variation in serrations.

Books Recommended

Population Projection – concept of station statute and quasi – stationary population aging of population in India – change in family structure and old age security.

Module 3:
Population policy salient features of population censuses. Evolution of population policy in India. Family welfare and women empowerment: Demographic status and household behavior – Education women’s autonomy and fertility population health, population health, poverty and environment link age in India the new population policy.

Economically active population: Basic concept and definition impact of demography process on the composition and size of the labour, occupation and Industrial composition of work force concept of human development man power planning.

Books recommended:

1. G.W.Barclay: Techniques of population Analysis.
5. Jeewan Chandra Pant: Jananki (Hindi).
8. National Family Health Surveys

ECO B02: Indian Financial System

Module 1:


Money Market - Designation, nature and role of money market in the economy. Indian money market – call money market, treasury bills market, commercial bill market, markets for commercial paper and certificate of deposits. The discount market. Discount and finance house of India and securities trading corporation of India.

Module 2:


Module 3:

Markets for futures, options and other financial derivatives.

Books recommended:

1. S.B. Gupta: Monetary Planning for India (Latest Ed.)
3. L.M. Bhole: Impacts of Monetary Policy.
4. Harendra Badhav (ed.) Challenges to Indian Banking Competition, Globalisation and Financial Markets McMillan
5. N.S. Yher: Non-Performing Advances in Banks, Skylark, New Delhi.
7. Raghuram Rajan Committee Report on Financial Sector reforms, Planning Commission
8. I.B.A. Bulletin: Annual Special Issues
9. RBI Report on trend and Progress of Banking in India (Latest Ed.)
11. Y.V. Reddy, Monetary and Financial Sector Reforms in India, UBSPD, New Delhi.

ECO B03: Industrial Economics-II

Module 1:

Module 2:
Pattern of industrial growth and changes in industrial structure in India since 1951. Factors affecting industrial location. Regional imbalances in industrial development in India and government policy for balanced regional development of industry.

Market structure and R&D. Allocative efficiency and capacity utilization in Indian industry. Productivity growth, FDI and acquisition of technology in India.

Module 3:
MRTP and nature of concentration in Indian industry. Liberalisation and privatization in Indian industry.

Mergers and takeovers. Competition policy and consumer protection in India. Industrial development in Rajasthan.

Books Recommended:

Course B04: Mathematical Economics-II

Module – 1

Monopoly- Maximization of Profit and Sales Revenue, Price Discrimination: Market Discrimination and Perfect Discrimination, Multi-Plant Monopolist, Effect of Various Taxes on Output and Price of a Monopoly Firm, Bilateral Monopoly; Monopolistic Competition Equilibrium: Short Run and Long run; Duopoly and Oligopoly Market Models: The Quasi-Competitive Solution, the Collusion Solution, the Cournot Solution, Stakelberg Solution, the Market Share Solution and the Kinked-Demand Curve Solution Models.

Module – 2


Module – 3


Note: Use of non-programmable calculator is permitted.
Books Recommended:


Semester – III

Compulsory Core Courses

ECO 301: Public Economics – I

Module 1


Module 2


Public Revenue – Canons of Taxation, Different Approaches to the Division of Tax Burden, Incidence and Effects of Taxation, Taxable Capacity, Justice in Taxation, Benefit & Ability to Pay Approaches. Theory of Optimal Taxation – Equal Absolute,
Equal-Proportional, Equal-Marginal and least Aggregate Sacrifice principles, Buoyancy and Elasticity of a Tax.

Module 3

Direct and Indirect taxes – Effects of Direct Tax on Production (viz. Labour Supply and Saving Rate) and Distribution, Effects of Indirect Tax on Production, Progressiveness of a Tax System and its Measurement, Shifting and Incidence of Taxes under Monopoly and Perfect Competition.

Books recommended:


ECO 302: International Trade Theory

Module 1


Standard Theory of Trade – Production Possibility Frontier, Community Indifference Curves, Offer Curves, Trade Indifference Curves, Terms of Trade and Gains form Trade.

Module 2

Factor Endowments and Heckscher – Ohlin Model-factor Price Equalization Theorem, Stolper – Samuelson theorem, Metzler Paradox and Rybczynski Theorem, Empirical

Module 3

Free Trade versus Protection, Instruments of Protection and their Effects; Tariffs (Partial and General Equilibrium), Quota, and other Non-Tariff Barriers.

Books Recommended:

ECO 303: Economics of Development and Growth – I

Module 1

Understanding Development: Dividing the World and levels of Development (Development as an Evolving Concept i.e. Development, Growth and Change; Goulet's Core Values of Development; Sen's Conception of Development; Income / Output Based Measures and their Inadequacies; PQLI and HDI as Indicators of Development). Ingredients of Development – Land, labour, Physical and Human Capital, Technological Change, Scale and Organization, Sustainable Development (conceptualization, concern, indicators and remedial measures), Concept, Measures and Problems of Growth, Poverty and Inequalities in LDCs and their Impact on Development.

Module 2

Theories of Economic Development: Agriculture – Industry Interface – Interdependence between Agriculture and Industry; Industrialization and Urbanization (The Models of
Lewis, Fei and Ranis and Todaro); The Balanced Growth Doctrine (Review of Rosenstein, Nurkse and Lewis); Strategy of Unbalanced Growth (Hirschman's version), and the Reconciliation of the two.

Module 3


Books Recommended:


ECO 304: Indian Economic Development and Policy-1

Module I

Module 2


Module 3


Books & References:

1. Dutt and Sundaram: Indian Economy, S. Chand (Latest Ed) (Hindi and English).
5. Twelfth Five Year Plan, Planning Commission.
6. Economic Survey (Latest), GOI.
7. Monthly Bulletins, RBI.

Elective Core Courses

The candidate is required to select any one elective course from the following: 

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Asstt. Registrar (Acad I)
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Module 1:
Infrastructure and economic development – Infrastructure as a public good; Social and physical infrastructure; Special characteristics of public utilities, The peak load, Off load problem; Dual principle controversy; Economies of scale of joint supply; Marginal cost pricing vs. other methods of pricing in public utilities; Cross subsidization – free prices, equity and efficiency.

Module 2:
The structure of transport costs and location of economic activities; Demand for transport – Models of freight and passenger demand; Model choice; Cost functions in the transport sector; Principle of pricing; Special problems of individuals modes of transport; Inter-model condition in the Indian situation.

Module 3:
Infrastructure development and reforms in India – power, transport, and communication; rate making in telephone utilities; Principles of decreasing costs in telephone industry – Characteristics of postal services; Criteria for fixation of postal rates; Measurement of standards of service in telephone and postal utilities.

Books Recommended:
3. Economics of Infrastructure (1976), Vol VI, ICSSR, ICSSR.
5. CUTS : Competition and Regulation in India, 2007 and 2009.
Course ECO C02: International Finance

Module 1


Module 2


Module 3


Asstt. Registrar (Acad 1)
University of Rajasthan
Jaipur
Books Recommended:

3. Harold James: International Monetary Cooperation since Bretton Wood, IMF.
Module 1.


Costing and Health Economics: The importance of costing in Health Economics, Alternative definitions of cost, Cost theory and cost analysis, types of cost - monetary and non-monetary, measurement and valuation issues in cost, production cost and discounting, Constraints in measuring health cost.

Module 2:


Economic Evaluation – Part II: Importance of Measures of General health status and quality of life, Measuring Health Outcomes, Assigning monetary values to health outcomes, human life and Quality Adjusted Years of Life, Cost-Utility Analysis (CUA) – including Quality Adjusted Life Years (QALYs) and Health Year Equivalents (HYEs), Economics of Prevention and Public Health – Economic evaluate on of prevention programs (include ADL and IADL for aged)
Module 3:
Efficiency and Equity in Health: An overview of the normative economics of the health sector, Health Care and Welfare State, Private versus public health care, Public and Private Partnership in Health Care, Efficiency and effectiveness in health care, Equity in Health care Delivery
Health inequalities: health inequality and its measurement, determinants of health, health seeking and access to health care service, Health care utilization.

Books Recommended:

4. Health economics: 3rd Edition by Phelps
5. The economics of health and health care, 2nd edition by Folland, Goodman and Stano (FGS)
Books Recommended:

3. Harold James: International Monetary Cooperation since Bretton Wood, IMF.

Course ECO C04: Econometrics- I

Module 1

Basic Econometrics: Nature, meaning and scope of econometrics; Simple and General linear Regression Model – Assumptions, Estimation (OLS approach) and Properties of Estimators; Derivation of Least Square Parameters; Goodness of Fit and Econometric Inference. Functional Forms of Regression Models: Log-log, Semi-log, Reciprocal Transformation

Module 2

Violation of Assumptions: Heteroscedasticity; Multicollinearity and Auto-correlation; Specification Problems. Regressions with Qualitative Independent Variables: Dummy Variable Technique; Regression with Binary Dependent Variables: Logit, Probit and Tobit models.

Module 3

Dynamic Econometric Model: Auto-regressive and Distributed Lag Models – Koyck Model, Partial Adjustment Model, Adaptive Expectations; Almon Approach to Distributed Lag models. Method of Instrument Variables

Note- Use of non-programmable calculator is permitted.
Books Recommended:


Semester - IV

Compulsory Core Courses

ECO 401: Public Economics – II

Module 1


Module 2

Indian Tax System - Salient features, Major Taxes, Main Trends in the Revenue of the Central and State Governments in India, Non-Tax Revenue, Union Budget of India, Major Trends in Public Expenditure in India (growth and composition), Problem of Budget Deficit and FRBM Act. Pricing Policy in Public Enterprises, Disinvestment and Privatisation of Public Enterprises in India, Internal and External Public Debt of India.
Module 3


Books recommended:

8. Chelliah and Kelkar Committee Reports.

ECO 402: Trade Policy and International Monetary System

Module 1


Module 2

Economic Integration - Stages and Forms, Theory of Customs Union - Static and Dynamic Effects, Regional Trade Blocks - Bilateral and Multi-Lateral International
Negotiations, Preferential Trade Areas (PTAs) and Free Trade Areas (FTAs). WTO - Issues and its Impact on Trade, Rise and Fall of Bretton-Woods System and Present International Monetary System; IMF, World Bank- Their Achievements and Failures.

Module 3


Books recommended:

ECO 403: Economics of Development and Growth –II

Module 1

Economic Growth and Structural Change: Structural Changes in the Composition of Gross Domestic Product, Occupational Structure, Structure of Capital Accumulation; and Accumulation of Human Capital; Exploring the Relationship between Economic Development and Income Distribution (Kuznets’ inverted U – Shaped Curve and Augmented Kuznets’ Curve, Denison & Chenery empirical studies), Living in a Heterogeneous World, World-Islands of Prosperity and How the Other Three Quarters live.
Module 2


Module 3


Books recommended:

ECO 404: Indian Economic Development and Policy- II

Module 1

Foreign Trade: Salient features, Trends, Composition, Direction and Organization, Trade Reforms, liberalization and Recent Changes in Trade Policy, MNCs and their Impact on Indian Economy, WTO – Issues and its Impact on Indian economy, India’s Balance of Payment Position in Recent Years.

Module 2


Module 3

New Economic Policy – LPG and Second Phase of Economic Reforms, Infrastructure Development in India – Physical Infrastructure (Power, Transport, Communication and Irrigation) and Social Infrastructure (health and education), SEZs

Books and References:

1. Rudra Dutt and Sundaram: Indian Economy, S. Chand (Latest Ed.) (Hindi and English)
3. Laxmi Narayan Nathuramka: Bhartiya Arthashastra, College Book House (Latest Ed.)
4. Mishra & Puri: Indian Economy, Himalaya Publishing House (Latest Ed.) (Hindi and English)
5. Uma Kapila: Indian Economy, Academic Foundation.
regression with dummy dependent variables; The LPM, Logit, Probit and Tobit models – applications, Economic forecasting – Methods of forecasting – Limitations.

Note: Use of non-programmable calculator is permitted.

Books Recommended:

1. J.Kmenta: Elements of Econometrics.
5. R.S. Pindyck and D.Z. Rubinfeld: Econometric Methods and Econometric Forecasts.

ECO D01: Economics of Infrastructure -II

Module 1:
Primacy of energy in the process of economic development; Factors determining demand for energy: Effects of energy shortages; Energy conservation renewable and nonconventional sources of energy; Energy modeling; The search for an optimal energy policy in the Indian context.

Bulk supply and pricing of electricity – The relative economics of thermal, hydel and nuclear power plants – The case for a National Power Grid.

Module 2:
Financing water utilities - Urban and rural water supply.
The exploitation of National Gas; Pricing problem.

Organisation and financing of supply of social services; Private vs public sector financing; Recent debate about the fixation of prices of social services; Development of social services in the successive Indian plans.

Module 3:
Education and economic growth; Approaches to educational planning, social demand, rate of return and manpower balance approaches; The case for universal, free, primary education; Structure of higher education and problems of its financing in India; Human resources and human capital development – The issues in education policy.


Books Recommended:
3. Economics of Infrastructure (1976), Vol.VI, ICSSR, ICSSR.
5. CUTS: Competition and Regulation in India, 2007 and 2009.
Course ECO D02: Survey Methods

Module 1

Sample Methods: Principle of Sample Surveys, Stages of Survey, Practical Problems in Planning, Execution and Analysis of Surveys, Random Number Tables and their Uses in Drawing Samples with Equal Probability (Simple Random Sampling) and Probability Proportional Size. Sampling and Non-Sampling errors. Critical Study of Sample Design Employed by NSSO and in Rural Credit Surveys.

Module 2


Module 3

Books Recommended:

4. V.C. Sinha: Arthik Vishvaron Ka likhas

ECO D03: Indian Health Care System

Module 1:
Changing scenario of Health inequalities in India, Medical Tourism in India, International Comparison, Health Care System: Stakeholders in health care systems: Consumer, providers, and state, Human capital and health, health care and labor market, Demand for health care and for medical services – The consumer perspective, Moral Hazard and the economics of Moral Hazard, Demand and Supply of Human and physical infrastructure–physician, hospital and drugs etc, Costs as a barrier to health care utilization.

Module 2:
Policies, Reforms and Regulatory Concerns in Health Sector: Health care delivery systems and Role of Government in providing health care, Role of international organizations, improving access to health care with quality, Overview of health sector reforms and Policies, Regulatory concerns and regulation of health sector including pharmaceutical industry, National Health Policies and Programmes.

Module 3:
Health Financing and Health Insurance: National Health Accounting: Sources and Uses of Funds, health budgeting, Interrelationship between epidemiological transition and health expenditure, Health care financing system, source of health care spending, The Health Insurance – intermediary agent, The private health insurance, Regulation of health insurance, Government as health insurer in India, Equity in health care finances, Future investment strategies in health sector, Willingness to pay for health care, User charges as determinant of health financing

Recommended:


4. Health economist: 3rd Edition by Phelps

5. The economics of health and health care, 2nd edition by Folland, Goodman and Stoto (FGS)

Books Recommended:

Course ECO D04: Econometrics – II

Module 1
Simultaneous Equation Models: The Simultaneous Equation bias and Inconsistency of OLS estimators; The Identification Problem; Rules of identification – order and rank conditions; Methods of estimating simultaneous equation system; Recursive methods and OLS; Indirect least squares (ILS); 2SLS, K class estimators, 3SLS and ML methods – application.

Module 2
Properties of AR, MA and ARMA Processes.
Cointegration and Error Correction Mechanism (ECM).

Module 3
Introduction to Panel Data: Panel Data with Fixed and Random Effects.
Fixed Effects: Within and Between Group Effects, Unbalanced Panel and Fixed Effects.

Note: Use of non-programmable calculator is permitted.

Books Recommended: