

MAR IVANIOS COLLEGE (AUTONOMOUS)
Affiliated to the
University of Kerala



SYLLABI & GUIDELINES
FIRST DEGREE PROGRAMME IN ECONOMICS (FDP)

CHOICEBASED-CREDIT & SEMESTER-SYSTEM (CBCS)

(2015 admission onwards)

FDP ECONOMICS

GUIDELINES OF THE COURSE

The Bachelor of Arts (BA) in Economics is a three year full time Choice Based Credit Semester programme, with each year comprising of two semesters. The whole programme consists of 1 Foundation course, 14 Core papers, 1 Open course, 2 elective papers and a Dissertation and Viva-Voce.

The **foundation course** offered in the first semester is designed in such a way as to offer a basic understanding of the subject economics, so as to enable all category students to come in terms with the subject.

The **core papers** assigned for each semester is arranged in the order of their priorities and to the convenience of the students. The core papers constitute the important branches and sub-branches of the subject economics, which provides an overall understanding of the subject, which will facilitate the student to pursue any of the branches for higher studies.

The **open course** offered by the department in the fifth semester for the students of other department, is generally on a paper of common interest which enables the student to get a small feel on the pulse of the economy.

Of the two **elective papers** offered in the sixth semester, department will offer either one of the two or both simultaneously depending on the demand of the students.

INTERNAL TESTS: (MAX. MARKS 10)

For each Course there shall be one internal test during a semester. This will be a model examination for three hours and will be based on the question paper pattern for the End Semester Examination. It is mandatory that all students must appear for this test. There will be no provision for retest on the basis of absence in the test. The scheme and question paper pattern for the test paper as well as for the End Semester Examination will be prepared by the respective Board of Studies.

ATTENDANCE (MAX. MARKS 5):

A Student must secure a minimum of 75% aggregate attendance for all the courses of a semester taken together to become eligible to register for each End Semester Examination. The attendance percentage will be calculated from the day of commencement of the semester to the last working day of that semester. Attendance eligibility will be checked both at the time of registration for the End Semester Examination as well as at the time of issue of the hall tickets. Those students who fail to secure the minimum aggregate attendance will have to repeat the semester with the next batch by seeking re-admission. The award of attendance for CE/CA shall be given course-wise. A student who fails to get 75% attendance can apply for condonation from

the College, if duly recommended by the Faculty Advisor and Head of the Department, for a maximum of 10 days in a semester for valid reasons, twice during the entire programme. Condonation thus granted shall not be considered for the award of CE marks. A student who seeks condonation on genuine medical grounds should produce a medical certificate clearly stating the inability of the student to attend classes with the recommendation of the Faculty Advisor and Head of the Department on condition that the matter pertaining to leave of absence has been given in writing by the parent/guardian to the concerned Head of the Department within 3 working days from the commencement of leave. The decision of the Principal shall be final in such matters.

Reappearance of course(s) will be distinctly indicated in the final mark/grade sheet.

Marks shall be allotted for course-wise attendance, for individual courses in which a student has registered, as follows:

ATTENDANCE %	MARKS
Less than 75%	0 mark
75%	1 mark
76 to 80%	2 marks
81 to 85%	3 marks
86 to 90%	4 marks
Above 90%	5 marks

ASSIGNMENTS OR SEMINARS: (MAX. MARKS 5)

Each student shall be required to do one assignment or seminar for each Course. The seminars shall be organized by the teacher/teachers in charge of CA and the same shall be assessed by a group of teachers including the teacher/ teachers in charge of that Course. Assignments/Seminars shall be evaluated on the basis of their quality. The teacher shall define the expected quality of an assignment in terms of structure, content, presentation etc. and inform the same to the students. Due weight shall be given for punctuality in submission. The Seminar will be evaluated in terms of structure, content, presentation, interaction etc and carried out/conducted in supervision with the concerned department.

PROJECT/DISSERTATION WORK:

For each First Degree Programme there shall be a Project/Dissertation Work. The Project/Dissertation work can be done either individually or by a group not exceeding five students. However, Viva-Voce based on the Project/Dissertation work shall be conducted individually.

The topic of the project work shall be selected by the students in consultation with the supervising teacher during Semester 5. The introductory Chapter including the objectives of the study, review of literature etc. and the questionnaire for data collection has to be finalized in Semester 5 with the help of the supervising teacher. The project work has to be completed during Semester 6 and final Project Dissertation shall be submitted to the Department in duplicate before the completion of the sixth semester. There shall be no continuous assessment for Dissertation / Project work. A Board of two Examiners appointed by the Controller of Examination shall evaluate the report of the Project/Dissertation work. The detailed guidelines regarding the conduct and evaluation of the Project/Dissertation will be framed by the Boards of Studies.

TOUR

Students shall be encouraged to conduct a tour to any of the regional or national tourist destinations in the 6th semester without affecting the examination schedule. The tour programme is basically meant to facilitate the students to spend few memorable days outside the campus, to visit areas of national and historical importance.

FDP ECONOMICS 2015

SEM NO.	COURSE NO.	COURSE TITLE	INSTR. HRS	MAXIMUMUM MARKS		
I		ENGLISH –I	5	20	80	100
		ADDITIONAL LANGUAGE -I	4	20	80	100
		FOUNDATION COURSE -1	4	20	80	100
	AUEC141	FOUNDATION COURSE -2 (METHODOLOGY OF SOCIAL SCIENCES WITH SPECIAL REFERENCE TO ECONOMICS)	6	20	80	100
		COMPLEMENTARY -I	3	20	80	100
		COMPLEMENTARY -II	3	20	80	100
		TOTAL	25	120	480	600

SEM NO.	COURSE NO.	COURSE TITLE	INSTR. HRS	MAXIMUM MARKS		
II		ENGLISH –II	5	20	80	100
		ENGLISH –III	4	20	80	100
		ADDITIONAL LANGUAGE -II	4	20	80	100
	AUEC241	CORE - 1 (MICRO ECONOMICS -I)	6	20	80	100
		COMPLEMENTARY -III	3	20	80	100
		COMPLEMENTARY -IV	3	20	80	100
		TOTAL	25	120	480	600

SEM NO.	COURSE NO.	COURSE TITLE	INSTR. HRS	MAXIMUM MARKS		
III		ENGLISH –IV	5	20	80	100
		ADDITIONAL LANGUAGE -III	5	20	80	100
	AUEC341	CORE - 2 (MACRO ECONOMICS -I)	5	20	80	100
	AUEC342	CORE - 3 (BASIC TOOLS FOR ECONOMICS -1)	4	20	80	100
		COMPLEMENTARY -V	3	20	80	100
		COMPLEMENTARY -VI	3	20	80	100
		TOTAL	25	120	480	600

SEM NO.	COURSE NO.	COURSE TITLE	INSTR. HRS	MAXIMUM MARKS		
IV		ENGLISH -V	5	20	80	100
		ADDITIONAL LANGUAGE -IV	5	20	80	100
	AUEC441	CORE - 4 (MICRO ECONOMICS -2)	5	20	80	100
	AUEC442	CORE - 5 (DEVELOPMENT ECONOMICS)	4	20	80	100
		COMPLEMENTARY -VI	3	20	80	100
		COMPLEMENTARY -VII	3	20	80	100
		TOTAL	25	120	480	600

SEM NO.	COURSE NO.	COURSE TITLE	INSTR. HRS	MAXIMUM MARKS		
V	AUEC541	CORE - 6 (MACRO ECONOMICS -2)	4	20	80	100
	AUEC542	CORE - 7 (INDIAN ECONOMY)	4	20	80	100
	AUEC543	CORE - 8 (PUBLIC ECONOMICS)	3	20	80	100
	AUEC544	CORE - 9 (MONEY & BANKING)	4	20	80	100
	AUEC545	CORE - 10 (ENVIRONMENT ECONOMICS)	4	20	80	100
	AUEC581	OPEN COURSE - 1 (HUMAN RESOURCE MANAGEMENT)	3	20	80	100
		PROJECT/DISSERTATION	3			
		TOTAL	25	120	480	600

SEM NO.	COURSE NO.	COURSE TITLE	INSTR. HRS	MAXIMUM MARKS		
VI	AUEC641	CORE - 11 (KERALA ECONOMY)	5	20	80	100
	AUEC642	CORE - 12 (FINANCIAL MARKETS)	5	20	80	100
	AUEC643	CORE - 13 (BASIC TOOLS FOR ECONOMICS -2)	5	20	80	100
	AUEC644	CORE - 14 (INTERNATIONAL ECONOMICS)	4	20	80	100
	AUEC691.a	ELECTIVE: 1.AGRICULTURAL ECONOMICS, 2.MATHEMATICAL ECONOMICS)	3	20	80	100
	AUEC691.b					
	AUEC645	PROJECT/DISSERTATION	3	20	80	100
		TOTAL	25	120	480	600
		GRAND TOTAL	150	720	2880	3600

SEMESTER 1

FOUNDATION 1 METHODOLOGY OF SOCIAL SCIENCES WITH SPECIAL REFERENCE TO ECONOMICS

Inst.hours-6

Number ofCredit-4

Objectives of the course

- 1 Identify the main concerns of social science disciplines.
- 2 Articulate the basic terminology and theories prevalent across various disciplines
- 3 Learn the basic methods and methodology used in economics
- 4 Introduce the economist's way of thinking over the period.

MODULE-1 Introduction to Social Sciences

Social sciences-Its emergence and Development, An analysis of the disciplines that make up the social sciences-their interrelation and differences, Relevance of social sciences in understanding and solving contemporary problems at the regional, national and global levels.

MODULE-2 Basic Principles and Concepts

Basic principles and concepts used in social sciences, Scientific method and its steps, The multi-disciplinary nature of social sciences.

MODULE-3 Methodology of Economics

The subject matter and the scope of economics, Nature of economic laws, Methods of formulating economic theories- the deductive and inductive methods –merits and demerits, Economic models-micro and macro models, Static, comparative static and dynamic method of analysis, Equilibrium analysis-partial and general.

MODULE-4 Major Schools of Thought in Economics

Classical, Neo-classical, Historical, Institutional, Keynesian and Monetarists.

Reading List:

Hunt, Elgin (2008): Social science and its methods in Social Sciences :An introduction to the study of society ,Allyn and Bacon.

Perry, John (2009): Through the lens of science in Contemporary Society: An introduction to social science.

Perry, John and Erna Perry (2008): Contemporary Society: An Introduction to Social Science, Allyn and Bacon.

Jack Harvey and Erine Jowsey: Modern Economics, (ed). 8th edition, Palgrave Macmillan

Lipsey and Crystal (1999): Principles of economic analysis, (ed). 9, Oxford University Press.

Hajela T.N (2008): History of Economic Thought (ed). 17th edition. Ane Books, India

Gill, R.: Evolution of economic ideas, Modern economic series.

Ekelund, Robert B (1996): A History of Economic Theory and Readings in Economic Thought, McGraw Hill, UK.

Backhouse, Roger E (2004): The Ordinary Business of Life: A History of Economics from the Ancient World to the 21st Century, Princeton University Press, Princeton, New Jersey.

SEMESTER 2

CORE1MICRO ECONOMICS I

Inst.Hours-6

Number of Credit-4

Objectives of the course

1 To introduce the student to the basic micro concepts like demand, supply, production and cost and the theories explaining their determination.

2 To enable the student to apply the theories in analyzing real world micro issues.

MODULE 1 Introduction

The basic economic problems, Micro and Macro economics, Functions of an economic system- market economy, command economy and mixed economy.

MODULE 2 Consumer Behavior and Supply Analysis

Law of demand-application of demand analysis, Elasticity of demand, Price elasticity-types and measurements, Income elasticity, Cross elasticity, Practical uses of the concept of elasticity, Theories of consumer behavior- ordinal, cardinal and revealed preference-consumer equilibrium, Consumer surplus-Marshall and Hicks, Law of supply, Elasticity of supply and its practical uses.

MODULE 3 Production Analysis

Laws of production- Law of variable proportion, Returns to scale, Production function-Cobb Douglas production function and its properties, Producers equilibrium.

MODULE 4 Cost Analysis

Cost of production, Traditional theory on cost-short run and long run costs-TC, FC, VC, AC, MC and their relationships, Envelope curve, Saucer shaped curve, Opportunity cost.

Reading List:

Koutsoyiannis. A: Modern Micro Economics.

Jack Harvey & Ernie Jowsey: Modern Economics, Palgrave publication.

Diwedi : Micro Economic Theory and Application , Pearson publications.

Hal R Varian : Intermediate Micro Economics, EWP, New Delhi.

Pindyck R S and Rubenfield Daniel: Micro Economics , Pearson publications.

Dominick Salvatore: Micro Economic Theory.

SEMESTER 3

CORE 2 MACRO ECONOMICS-1

Inst.Hours-4

Number of Credit-3

Objectives of the course

1 To enable the student to understand the theoretical framework that explains the working of an economy as a whole.

2 To provide an overview of the basic factors that underly the determination of aggregate level of employment, output and price in an economy and the factors that cause economic instability.

MODULE 1 Fundamental Concepts

A Macroeconomic model, Macro and Micro economics, Macro economic variables-stock and flow, exogenous and endogenous, dependant and independent-Equilibrium-partial and general,stable and unstable.

MODULE 2 National Income Accounting

Circular flow of income (two, three and four sectors), National income concepts, GNP deflator, Measurement of NI, Difficulties in estimating NI, NI Statistics for India, Social accounting.

MODULE 3 Classical Theory of Income, Output and Employment

Classical school, Features of classical school, Classical theory, Wage-Price flexibility and full employment, Classical dichotomy, Neutrality of money, Saving-Investment equality, Keynes objection to classical theory.

MODULE 4 Keynesian Theory of Income, Output and Employment

Keynesian Economics, Keynesian theory, Simple Keynesian model of income determination-role of taxation and government spending in NI determination, Keynesian cross.

Reading List

Charles Schultz :NI and Macro Economic Analysis.

Shapiro Edward: Macro Economic Analysis- Galgotia Publications ,New Delhi.

Stone and Stone: National Income and Expenditure, Bower and Bower publication

Ackley. G: Macro Economics-Theory and Policy, Macmillan Publication.

G. Mankiw :Macro Economics.

Froyen : Macro Economics ,Theories and Policies.

SEMESTER 3

CORE 3 BASIC TOOLS FOR ECONOMICS-1

Inst. Hours-5

Number of Credit-4

Objectives of the course

- 1 To equip the student to apply mathematical techniques in economics.
- 2 To express economic theories in diagrammatic and quantitative terms.

Module 1 Basic Concepts

Economic Variables and Constants- Discrete, Continuous, Exogenous and Endogenous.

Sets: Types (Union and Intersection)

Functions: Linear, Non-Linear, Single, Bivariate and Multivariate, Homogenous, Non-Homogenous(Concepts only).

Graph of a Function: Demand Curve, Supply Curve, MC, AC, TC, power function, exponential function.

Equations and identities: Quadratic and Polynomial –Slope and Intersection, Solution to simple quadratic and simultaneous equation, Factorization,.

Growth rate- Simple and Compound, Ratio and Proportions.

Module 2 Matrices

Types, Determinants, Inverse of a Matrix, Crammer's rule.

Module 3 Differentiation

Limits and continuity of function, Derivation –Economic application, Elasticity, Maxima and Minima, Constrained and Unconstrained optimization, Partial derivative, Total Differential, Euler's Theorem.

Module 4 Integration

Indefinite and Definite Integral, Total concepts, Marginal concepts, Consumer's surplus, Producer's surplus(simple integration problems only).

Reading List:

Allen, R.J.D(1974): Mathematical Analysis for Economics, MacMillan Press, London.

Black, J and J.F. Bradley(1973): Essential Mathematics for Economics, John Wiley and sons, New Delhi.

Chiang, A.C(1986): Fundamental Methods of Mathematical Economics, McGraw Hill, New Delhi.

Agarwal,D.R(2001):Mathematics for Economics,Vrinda Publication (P) Ltd,Delhi.
Aggarwal,D.M(2009):Business Mathematics in Statistics,Ane Books (P) Ltd,New Delhi.
Oakshott,Less(1998):Essential Quantitative Methods,Palgrave MacMillan,New York.

SEMESTER 4

CORE 4 MICRO ECONOMICS -2

Inst.Hours-5

Number of Credit-4

Objectives of the Course

1 To provide basic understanding on micro economic concepts, relating to markets, factor pricing, distribution and economics of uncertainty.

2 To give exposure to practical aspects by enabling them to market analysis.

Module 1 Markets

Markets and concepts of market clearing, Theory of Games, Mixed and pure strategies, Nash equilibrium, Different types of markets, Price and output determination under perfect competition , monopoly, monopolistic competition and oligopoly, Price discrimination .

Module 2 Factor Pricing and Distribution

Marginal Productivity Theory, Euler's theorem, Adding up problem, Determination of rent – Ricardian view, Economic rent, Quasi rent, Determination of wage rate in a particular industry, occupation or locality, Trade unions and collective bargaining, Theories of Interest – Classical, Keynesian and modern, Entrepreneurship and profit, Schumpeter's innovation Theory.

Module 3 Economics of Welfare and Externalities

Welfare economics–Definition, Pareto Optimality Criterion, Social Welfare Function , Externalities, Market failure, Public goods.

Module 4 Economics of Uncertainty

Choice under uncertainty, Expected Utility Theory, Lotteries, Risk –describing risk, Probability, Expected value, Variability, Decision making, Different preferences towards risk, Reducing risk –diversification, Insurance, Value of information, Demand for risky assets, Trade between risk and return, Investors choice problem.

Reading List

Jack Harvey and Ernie Jowsey: Modern Economics, Palgrave Publications (8th Edition).

Koutsoyiannis.A(1990): Modern Micro Economics, Macmillan Publication.

Hal.R.Varian:Intermediate Micro Economics.

Salvatore:Micro Economic Theory,Oxford.

Brajesh Kumar:Modern Micro Economics,Ane Books,India.

Pindyck:Micro Economics,Pearson .

Diwedi:Micro Economics,Theory and Application,Pearson.

SEMESTER 4

CORE 5 DEVELOPMENT ECONOMICS

Inst.Hours-4
Number of Credit-4

Objectives of the course

- 1 To understand the basic concept related to development.
- 2 To equip the students to apply to modern tools for measuring economic development.
- 3 To provide knowledge and guidance regarding issues in development.

Module 1 Basic Concepts of Development

Meaning and Scope of Economic Growth and Development- Definition and Distinction, Characteristics of LDCs, Development Gap, Vicious Circle of Poverty.

Module 2 Tools of Measuring Development

Per Capita Income, Infant Mortality Rate, Literacy rate, Human Development Index, Physical Quality Life Index, Human Poverty Index, Tools for Measuring Income Inequality- Lorenz curve & Gini Coefficient, Distribution of world income and its disparities.

Module 3 Theories of Development

Views of Development- Adam Smith, David Ricardo, T R Malthus and Karl Marx, Theory of Social Change- Schumpeter and capitalistic development, Growth Models- Harrod & Domar, Solow & Mrs.Joan Robinson.

Module 4 Approach to Development

Dualistic economies, Unlimited Supply of Labour, Big Push, Critical Minimum Effort Thesis, Balanced and Unbalanced Growth.

Reading List

A P Thirlwall: Growth and Development with Special Reference to Developing Economies, Macmillan, UK.

M L Taneja and R M Myer: The Economics of Development and Planning, Vishal Publishing Co.

Michael P Todaro: Economic Development in Thirld World, 2nd edition, Longman Group Ltd,London.

Kindleberger C P: Economic Development, Tata McGraw Hill, New York.

SEMESTER 5

CORE 6 MACRO ECONOMICS 2

Inst. Hours-4

Number of Credit- 4

Objectives of the course

1 To provide an understanding of the important theories developed by prominent economists on various macro concepts.

2 To enable the students to discuss and analyze basic economic issues like inflation, unemployment and trade cycle.

3 To understand the macroeconomic policies and their effectiveness in tackling fundamental economic issues.

Module 1 Components of Aggregate Demand

Consumption Function, Concepts-APC, MPC, APS, MPS- Factors Determining Consumption Function-Objective and Subjective- Empirical evidence on short run and long run consumption, Consumption Function Puzzle, Theories of Consumption Function- Absolute, Permanent, Relative and Life Cycle Hypothesis.

Investment, Types-Gross, Net, Autonomous, Induced, Real and Financial- Determinants of Investment, Multiplier, Accelerator, Super Multiplier.

Module 2 Money, Prices and Interest Rates

Money- Definition, Function- Quantity Theory of money-Fisher's, Cambridge version and Friedman's Restatement- Demand for money- Liquidity Preference Theory- Liquidity Trap, Supply of Money, Determinants of Money supply, Money Multiplier, Pigou effect, Real and Nominal Interest Rate, Fisher effect.

Module 3 Inflation, Unemployment and Trade Cycle

Inflation- Types, Causes and Effects- Social Cost of Inflation, Measures of controlling inflation- Monetary and Fiscal- Inflation and Exchange rate, Price Index .

Unemployment- Types- Natural Rate of Unemployment, Philips Curve- Short Run and Long Run- Stagflation.

Trade Cycle- Phases- Hick's Theory of Trade Cycle, Control of Trade Cycle.

Module 4 Macro Economics Policy

Objectives of Macro Economic policy, Monetary and Fiscal policy, Income policy, Effectiveness of policies on current macro economic scenario.

Reading List

Brain Snowden and Howard R Vane (ed) (1977): A Macro Economics Reader, Routledge, London.

Ackley G: Macro Economics: Theory and policy, Macmillan Publishing Company.

Stone and Stone: National Income and Expenditure, Bower and Bower.

Shapiro Edward (1996): Macro Economic Analysis, Galgotra Publications, New Delhi.

S B Gupta(1994): Monetary Economics, Chand and Co, New Delhi.

G Mankiw: Macro Economics, Worth Publishers.

Hajeela T N (2009): Macro Economic Theory, 10th Edition, Ane Books Pvt Ltd.

Schaum's Series in Macro Economics, MacGraw Hill Publishing Company.

Froyen: Macro Economics: Theories and Policies, Pearson.

SEMESTER 5

CORE7INDIANECONOMY

Inst Hours-4

Number of Credit-4

Objectives

- 1 To enrich the students to have an exposure of Indian Economy.
- 2 To give an insight on the colonial period and its economic impacts, important developments in the post-independent and post-liberalization period.
- 3 To enable the students to comprehend and critically appraise the current trends and issues in the Indian economy.

Module 1: Structure of the Indian Economy

Colonial rule and its economic impact, Features of Indian Economy, Main demographic features- Sex Composition, Age Composition, Size and Growth of population, Infant Mortality Rate, Birth rate, Death rate, Literacy rate- The present population policy of India, Occupational Distribution of population, Migration-inter-regional and international.

Module 2: Agriculture in India

Trends in the production and productivity of major crops in India, Factors determining productivity, Cropping pattern in India, Agricultural Marketing, Agriculture credit in India, Institutional Reforms in agriculture, New Agriculture strategy, Issues in Indian agriculture, Performance of agriculture in the pre-reform and post-reform period.

Module 3: Industries and Service Sector in India

Classification of industries, Role and problems of cottage and small scale industries, Role of public sector enterprises, Industrial growth during the pre-reform and post-reform period, Industrial policy of 1991, Role of service sector in Indian Economy, Infrastructure –Energy – Health .

Module 4: Planning and Economic Policies

Objectives and Strategy of Planning in India, Achievements and failures of Planning, Changes brought about in the organizational structure of Planning Commission, Economic Policies during the pre-reform and post-reform period.

Reading List

V M Dandekar (1994): Indian Economy, Vol 1&2, Sage Publications, New Delhi.

Uma Kapila (ed) (1982): The Cambridge Economy of India, Vol II 1957-1990, Orient Longman, Hyderabad.

J K Misra and V K Puri: Indian Economy: The Development Experience, Himalaya Publishing House, Mumbai.

R Dutt and K P M Sundaram: Indian Economy, S Chand and Co, New Delhi.

The Cambridge Economic History of India, Vol I (1990): Orient Longman, Hyderabad.

SEMESTER 5

CORE 8 PUBLIC ECONOMICS

Inst.Hours-4

Number of Credit-4

Objectives of the course

- 1 To review the basic concepts of Public Economics.
- 2 To create an awareness about the financial operations of the Government.
- 3 To apply fiscal tools to ameliorate the problems and suggest remedial measures.

Module 1: Introduction to Public Economics

Meaning and scope, Public and private finance –Fundamental concepts –The role of government in a modern economy, Principle of maximum social advantage, Market failure in perfections, Externality, Type of goods .

Module 2: Public Revenue and Expenditure

Sources of public revenue- Tax and non-tax revenue –Meaning and classification of taxes – Advantages and disadvantages –Canons of taxation, Taxable capacity –Impact, incidence and shifting –VAT.

Public Expenditure, Theoretical analysis of public expenditure, Importance of public expenditure, Canons of expenditure, Reasons for the growth of public expenditure, Wagner's Law, Economic effects of public expenditure on consumption, production, distribution and employment.

Module 3: Public debt

Classification of Public Debt, Internal and external burden of public debt, Effects of public debt on production and distribution, Public Debt and economic growth, Redemption of public debt, Debt management.

Module 4: Fiscal policy

Fiscal Policy, Objectives and Instruments, Budget, Budgetary process, Types of budgets- balanced, unbalanced, revenue and capital budgets, programme and performance budgeting, Analysis of the nature of centre-state relationship, Finance Commission and its recommendations, Role of deficit financing in developing countries.

Reading List

Musgrave R and BR Musgrave: Public Finance: Theory and Practice.

Mithani D M: Modern Public Finance.

T N Hajeela: Public Finance, 3rd edition.

Jha R: Modern Public Finance.

Bernard P Harber: Modern Public Finance

B P Tyagi: Public Finance

Corner R and T Sandler: The Theory of Externalities and Public goods, Cambridge University Press.

SEMESTER 5

CORE9MONEY AND BANKING

Inst.Hours-4

Number of Credit-4

Objectives of the course

- 1 It exposes students to the functioning of the monetary and financial sectors of the economy.
- 2 To create an awareness among the students about the role and functions of commercial banking and the new developments in the banking sector.
- 3 To give an insight into the operations of the Central Bank, the monetary policy and the banking sector reforms with special reference to India.

Module 1: Introduction to Financial System

Importance of financial system –structure and functions –Financial intermediation-surplus and deficit agents –Financial instruments, Role of financial intermediaries.

Module 2: Monetary standards

Meaning , Types of monetary standard, India's present monetary system, Structure of Indian financial system.

Module 3: Commercial banking

Types and functions of commercial banking, Process of credit creation, Balance sheet of a commercial bank, Nationalization of Indian commercial banks–New products of commercial banks: ATM, credit cards, debit cards, e-banking etc –Emerging issues.

Module 4: Central banking

Functions of a Central Bank, Monetary policy –objectives and limitations –Credit control methods, Role of Central Bank in LDC's, Distinction between Central bank and Commercial banks, Indian banking system –changing role and structure –Banking sector reforms.

Reading List

1. R.S Sayers: Modern Banking
2. DeCock: Central Banking
3. S.B Gupta (2007): Monetary Economic Institutions: Theory and Policy, Chand Company Ltd

4. L.M Bhole and Mahukud (2011): Financial Institutions and Markets, Tata McGraw Hill, 5th Edition
5. M.Y Khan (2011): Indian Financial System, Tata McGraw Hill, 7th Edition
6. Various issues of RBI Bulletins

SEMESTER 5
CORE 10 ENVIRONMENT ECONOMICS

Inst.Hours-3
Number of Credit-2

Objectives of the course

- 1 To make the students understand the philosophical and historical roots of environment and development.
- 2 To know the theoretical foundations of environmental economics, to facilitate the optimum use of natural resources in production and consumption.

Module 1 Economic Growth and Environment

Implications of economic growth on environment - over population, large use of technology, over production, over consumption, depletion of natural resources and scarcity, pollution of environment- Nature, Scope and Definition of environmental economics.

Module 2 Welfare Economics and Environment

Pareto optimality and competitive equilibrium, Externality and market inefficiency, Externality and missing markets, Property rights and externality, Use of Game theory and environment, Olson's theory of collective action, Coase theorem and bargaining, Common pool resources, Tragedy of commons.

Module 3 Environmental Accounting and Sustainable Development

Environmental accounting, Integration of environmental accounts with the system of National Accounts, Green GNP, Environment and Natural Resource Accounting in India (ENRA)- background, physical and economic accounts.

Sustainable Development- definition- Inter and intra-generational equity, Indicators of sustainable development, Measuring sustainable development, Strong and weak sustainability, Strategies of sustainability.

Module 4 Designing a Green Economy

The shape of the eco-economy, Restructuring the economy, New industries and new jobs, Investment opportunity-building the solar/hydrogen economy by harnessing the alternate forms of energy- the wind, sunlight, geothermal, and natural gas.

Reading List

Charles D Kolstad (2006): Environmental Economics, OUP, New York.

Katar Singh & Anil Shishodia (2007): Environmental Economics: Theory and Practice, Sage Publications, New Delhi.

Nick Hanley et.al (2009): Environmental Economics in Theory and Practice, Palgrave Macmillan, New York.

Paul Aekins (2000): Economic Growth and Environmental Sustainability, Routledge, London.

Nirmal Chandra Sahu and Anitha Kumari Choudhury (2005): Dimensions of Environmental and Ecological Economies, University Press, Hyderabad.

Ulaganathan Sanker (2009): Environmental Economics, OUP, New Delhi.

Rabindra N Bhattacharya (2007): Environmental Economics an Indian Perspective, OUP, New Delhi.

N Das Gupta (1997): Environmental Accounting, Wheer & Co, New Delhi.

Lester R Brown (2003): Eoo-Economy, Orient Longman, Hyderabad.

Peter G Brown and Geoffrey Garver (2009): Right Relationship, Building a Whole Earth Economy Better, Koehier Publishers, Sanfrancisco.

SEMESTER 5

OPEN COURSE-1HUMAN RESOURCE MANAGEMENT

Inst.Hours-3

Number of Credit-2

Objectives of the course

- 1 To enable the students to understand the functions of the H R Department of a company.
- 2 To create awareness about the job selection procedures, training programmes, the disciplinary measures etc followed in a company.

Module 1 Nature and Scope of HRM

Meaning and definition, Difference between Personal Management and Human Resource Management, Objectives, Scope and Functions of HRM, Role of Human Resource in Strategic Management.

Module 2 HR Planning, Recruitment and Training

Definition of HR Planning- need and importance- Method of recruitment, Recruitment practices in India, Selection, Placement, Training, Steps in training programme, Methods of training, Types of training.

Module 3 Measures of Controlling Human Resources

Promotion, Demotion, Transfer, Separation, Employee discipline, Procedures of disciplinary action, Industrial Relation and Collective Bargaining in India.

Reading List

Barotia G R (1999): Human Resource Management, Mangal Deep Publications, Jaipur.

Duderja V D (2000): H R M and Development in New Millennium, Common Wealth Publishers, New Delhi.

Mamoria C B (1980): Personal Management, Ainalaye Publishers, Mumbai.

Michael U P (2001): H R M and Human Relations, Himalaya Publishing House, Mumbai.

Tripathi P C (2004): Human Resource Development, Sultan Chand & Sons, New Delhi.

Wendel C French (1997): Human Resource Development, All India Publishers, Chennai.

SEMESTER 6

CORE 11KERALA ECONOMY

Inst.Hours-5

Number of Credit-4

Objectives of the course

- 1 To highlight the emerging trends and issues in Kerala economy.
- 2 To review the structural changes in Kerala and India.
- 3To analyze the financial and external sectors of Kerala and India.

Module 1 Structure of the Economy

Features of Kerala Economy, Demographic features of Kerala- size and growth rate of population, sex composition, age composition, birth and death rate, IMR- Demographic Transition in Kerala, Migration-inter-regional and international- Employment and the problem of unemployment- educated unemployment.

Module 2 Agriculture in Kerala

Trends in the production and productivity of major crops, Cropping pattern, Relevance of plantation and cash crops in the economy, Progress of Land Reforms in Kerala, Impact of New Reforms on agricultural sector of India and Kerala. Major issues in the agricultural sector of Kerala.

Module 3 Industry in Kerala

Main industries in Kerala- problems and remedies- Role of Public Sector Enterprises, Current position of major traditional industries, Industrial growth in the pre-reform and post-reform period, Industrial backwardness, Policies aimed at industrial growth in Kerala.

Module 4 Environment, Finance and External Sector

Environmental issues in Kerala, Growth of the banking sector, Financial situation of the Government of Kerala, Implications of FDI, FII, MNCs, WTO etc. on Kerala economy, Growth of the tertiary sector in Kerala, Potential of tourism industry in Kerala, Kerala Model of Development- limitations.

Reading List

Uma Kapila (ed) (1982): Indian Economy: Its Development Experience, Cambridge Economic History of India, Vol II, 1957-1990, Orient Longman, Hyderabad.

Misra and Puri: Indian Economy: Its Developmental Experience, Himalaya Publishing House, Mumbai.

B A Prakash (ed) (2004): Kerala's Economic Development: Performance and Problems in the Post-Liberalization Period, Sage Publications, New Delhi.

B A Prakash & V R Prabhakaran Nair (ed) (2008): Kerala's Development Issues in the New Millennium, Serial Publications, New Delhi.

M A Oomen (1993): Essays on Kerala Economy, Oxford and IBH.

M A Oomen (1999): Kerala Economy, Institute of Social Sciences, Concept Public Company.

E T Mathew (1997): Employment and Unemployment in Kerala, Sage Publishers, New Delhi.

K C Zachariah, E T Mathew & Irdaya Rajan (2003): Dynamics of Migration in Kerala, Orient Longman, New Delhi.

K C Zachariah, K P Kannan and Irdaya Rajan (ed) (2002): Kerala's Gulf Connection, CDS, Thiruvananthapuram.

Centre for Development Studies: Poverty, Unemployment and Development Policy, Orient Longman, Bombay.

State Planning Board: Economic Review, Thiruvanaathapuram.

SEMESTER 6

CORE 12 FINANCIAL MARKETS

Inst. Hours-5

Number of Credit-4

Objectives of the course

- 1 To understand the organization and development of the Indian Financial System.
- 2 To familiarise with the operations in the financial markets.
- 3 To study the security price determination.

Module 1 Financial Markets

Money market-features, instruments-Call & Notice money, Treasury Bills, Commercial Bills, Commercial Paper, Certificate of Deposits, Repos.

Capital market-meaning and structure- Primary and Secondary market,

Primary market, Intermediaries- merchant bankers, under writers, registrar & share transfer agents, bankers to the issue, stock brokers and depositories- New Issue market, dematerialization.

Secondary market, Nature and functioning of stock exchanges in India-BSE & NSE- Stock market indicators-SENSEX & NIFTY- Stock market operations-Over the Counter Exchange of India(OTCEI), Inter-connected Stock Exchange(ISE), Depository system- The National Security Depository Limited(NSDL).

Module 2 Security market analysis

Market for derivatives-future and options-SWAPS, Risk and return on securities, Types of risk, Security valuation, Constant Growth Model, P/E ratio, Technical analysis of the market, Dow Theory and Elliot Wave Theory.

Module 3 An overview of Indian Financial System

Growth and development of financial system in India, Regulatory and promotional institutions- RBI, SEBI, IRDA, Banking Institutions(Commercial and Co-operative banks), Non-Banking

Financial Institutions- Financial Sector Reforms in India- Banking sector reforms, capital market reforms .

Reading List

Bhole L M(1999): Financial Institutions and Markets, Tata McGraw Hill, New Delhi.

Khan M Y(1996): Indian Financial System, Tata McGraw Hill, New Delhi.

Gupta N K & Monika Chopra(2008): Financial Markets, Institutions and Services, Ane Book, India.

Avadhani V A(2008): Security Analysis and Portfolio Management, Himalaya Publishing House.

Singh Preeti (2009): Dynamics of Indian Financial System: Markets, Institutions and Services, Ane Books Pvt. Ltd, New Delhi.

Gupta S B (2007): Monetary Economic Institutions: Theory and Policy, Chand & Co.Ltd.

Smith P F (1978): Money and Financial Intermediation: The Theory and Structure of the Financial System, Prentice Hall.

Machiraju M R (1999): Indian Financial System, Vikas Publishing House, New Delhi.

Chandra P (1997): Financial Markets, 4th edition, Tata McGraw Hill, New York.

SEMESTER 6

CORE 13BASIC TOOLS FOR ECONOMICS 2

Inst.Hours-5

Number of Credit-4

Objectives of the course

- 1 To equip students to apply statistical techniques in Economics.
- 2 To enable students to analyse and interpret empirical data with the help of statistical tools.

Module 1 Measures of Central tendency

Mean, Median, Mode, Quartile deviation, Standard deviation.

Module 2 Correlation and Regression

Simple, Partial and Multiple correlation analysis, Karl Pearson and Rank correlation coefficients.

Method of Least Squares, Lines of regression, Estimation of regression in a univariate distribution, Relation between regression and correlation coefficients, Application in Economics.

Module 3 Index Numbers

Definition, Construction of index numbers- Lasper's, Paasche's and Fisher's- Ideal index numbers- Consumer Price Index, Wholesale Price Index- Purchasing power of money.

Module 4 Probability

Concept, Rules of Probability- additional and multiplication theorem- Baye's Theorem, Random Variable- discrete and continuous-Mathematical expectations.

Reading List

Proston F E, D J Cowen and S Klien (1973): Applied General Statistics, Prentice Hall, New Delhi.

Gupta S C and V K Kapoor (1993): Fundamentals of Applied Statistics, S Chand & Son, New Delhi.

Speigel, M R (1992): Theory and Problem of Statistics, McGraw Hill, London.

Aggarwal D M (2009): Business Mathematics and Statistics, Ane Books Pvt.Ltd, New Delhi.

Oakshott Less (1998): Essential Quantitative Methods, Palgrave Macmillan, New York.

SEMESTER 6

CORE 14 INTERNATIONAL ECONOMICS

Inst.Hours-4

Number of Credit-3

Objectives of the course

- 1 To understand the basic concepts related to international trade.
- 2 To review the impact of free trade and protection on the different sectors of the economy.
- 3 To assess the rationale of the changes in the EXIM policies of India.

Module 1 International Trade Theories

Trade as an engine of growth, Inter-regional and International trade, Theory of absolute cost advantage, Comparative advantage theory, Harberler's opportunity cost theory, Heckscher - Ohlin theorem, Leontief paradox, Gains from trade –static and dynamic gains –Basic concepts - Terms of trade, Offer curve, Community indifference curve.

Module 2 Trade Policy

Free Trade vs Protection, Types of tariff and quota, Impact of tariff and quota under partial equilibrium analysis, Different non-tariff restrictions, Free trade and policy of tariff in relation to economic growth with special reference to India, Optimum tariff.

Module 3 Balance of Payment

Concept of Balance of Trade and Balance of Payment, Equilibrium and disequilibrium in the BOP, Measures to correct deficit in the BOP, Devaluation and its importance to foreign trade.

Module 4 Foreign Trade in India

Changes in the direction and composition of foreign trade, Trade reforms in India-EXIM policy- Measures adopted to correct deficit in the BOP before and after 1991, Role of MNCs, Flow of foreign capital- FIIs and FDI- Functions of IMF, World Bank, GATT, WTO, and their impact on India's foreign trade, Impact of liberalization and globalization on India's trade,

Reading List

Kindleberger C P (1973): International Economics, R D Irwin, Home Wood.

Chacholiadas M (1990): International Trade: Theory and Policy, McGraw Hill, Kogkusha, Japan.

Salvatore D (2011): International Economics, Macmillan Press Ltd. London.

Sodersten Bo (2005): International Economics, Macmillan Press Ltd. London.

Kenen P B: The International Economy, Cambridge University Press, London.

Aggarwal M R (1979): Regional Economic Co-operation in South Asia, S Chand & Co, New Delhi.

SEMESTER 6
OPEN II ELECTIVE PAPER
AGRICULTURE ECONOMICS

Inst. Hours-3

Number of Credit-2

Objectives of the course

1 To enable the student to understand the importance of Agriculture in the development of Indian economy.

2 To understand the changes that underwent in the agricultural sector since the independence.

Module 1 Nature and Scope of Agriculture Economics

Agrarian relations, Issues in the labour and credit market, Importance of agriculture in economic development- product contribution, market contribution and factor contribution- Organic farming.

Module 2 Agriculture Credit

Sources of credit- NABARD, Land Development Banks, Regional Rural Banks, Co-operative Societies and Commercial Banks- Rural Indebtedness- causes and remedies- Agricultural marketing- types and their functions.

Module 3 Agricultural Planning

Agricultural planning in India, Incentives for agriculture- price and non-price- Agricultural Price Policy, Nature of demand and supply of agricultural products, Need for state intervention, Support price, Food security in India and Public Distribution System, Economic Reforms and Indian Agriculture, WTO and Indian Agriculture.

Reading List

Sadhu A N & Singh J (2000): Agriculture Problems in India, Himalaya Publishing House.

Bilgrami J A R (2000): An Introduction to Agriculture Economics, H P M, Mumbai.

Soni R N (2001): Leading Issues in Agricultural Economics.

SEMESTER 6

OPEN II ELECTIVE

MATHEMATICAL ECONOMICS

Inst.Hours-3

Number of Credit- 2

Objectives of the course

1 To enable the students to prove economic theories mathematically.

2 To equip students to apply mathematical tools in interpreting economic issues.

Module 1 Introduction to Mathematical Economics

Nature and scope of mathematical economics, Economic models, Ingredients of a mathematical model, Functions, Optimization, Conditions of maxima and minima, Role of Quantitative techniques in economics.

Module 2 Theory of Value

Cardinal and Ordinal utility, Mathematical Derivation of Consumer's equilibrium, Slutsky Equation, Income and substitution effect, Methods of Demand Forecasting The Lagrange Multiplier method.

Module 3 Theory of Production

Production Function, Adding –up theorem, Cobb-Douglas, CES ,Derivation of cost function from a production function, Marginal analysis –equilibrium of a firm –Perfect market equilibrium –Monopoly equilibrium.

Module 4 Linear Programming and Input-Output Method

Simple Linear programming, Formulation in firm context –Primal and Dual –Graphic solution, Simplex method of maximization , Input –Output method –Open dynamic input –output method –Calculation of input demand and final demand for a three sector economy, Leontief Model.

Reading List

1. Dowling: Introduction to Mathematical Economics, Schaums Series.

2. Mehta and Madani: Mathematical Economics.
3. Bose.D: An Introduction to Mathematical economics, HPH, Mumbai.
4. G.M.K Madnani: Mathematical Economics.