

**CHOICE BASED COURSE CREDIT
SEMESTER SYSTEM AND GRADING**

SCHEME & SYLLABI

**For
Under Graduate Programme**

**In
ECONOMICS
(w.e.f. 2009-10 Admissions)**



**Mahatma Gandhi University
Kottayam**

Board of Studies in Economics (UG)

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Introduction

The Board of Studies in Economics proceeded with the task of restructuring the undergraduate course in Economics in the affiliated colleges of Mahatma Gandhi University as per the terms of reference and guidelines given by the University and Kerala State Higher Education Council.

The Board of Studies resolved to restructure the curriculum and syllabi of BA Degree course under the newly proposed choice-based credit and semester system. Programme models proposed by the M.G. University and the Kerala State Higher Education Council are selected as the base for the task. The restructuring is attempted in such a way as to lay emphasis on student choice and self learning. The new structure would ultimately pave the way for a qualitative transformation of the existing system. While attempting the reforms, the existing conditions relating to infrastructure, work load and staff pattern have been properly taken care of and provision for full utilization of the existing faculty is proposed.

Since all the programmes within the same stream should have the same number of credits, we have chosen 120 credits as instructed. Total number of courses in BA Economics programme is stipulated as 30 which is spread over six semesters.

The task of restructuring was done by a 5-day workshop held on 14th, 15th, 20th, 21st and 22nd May 2009 at the School of International Relations, M.G. University, Kottayam. Members of the Board of Studies, 45 teacher participants from various colleges, reputed experts, research guides and other resource persons from various universities, colleges and the Higher Education Council did a commendable work to accomplish the task.

I acknowledge that without the valuable help, guidance and co-operation we have received from various quarters, we would not have been able to function smoothly. Therefore, before I conclude, I wish to express my sincere thanks to Dr. Rajan Guruckal, Hon'ble Vice-Chancellor, M.G. University, Dr. Rajan Varghese, Pro-Vice-Chancellor, members of the Syndicate Prof. V.N. Chandramohan and Prof. K. Mathew who gave all the help and advice. I also acknowledge my thanks to Dr. P.S. Mohanakumar, Dr. Martin Patrick, Dr. Visakha Varma, Dr. S. Muraleedharan, Dr. S. Ashokan and Prof. M.J. Mathew for their invaluable suggestions and supervision. I am greatly indebted to the members of the Board of Studies who, from the very beginning, did a marvellous work in co-ordinating all activities leading to the successful culmination of the restructuring process. Further, I express my sincere gratitude to all the participants in the workshop, especially Dr. K.K. John, Head of the Department of Economics, St. Thomas College, Pala, Prof. Roselind George, Head of

the Department of Economics, St. Dominic's College, Kanjirappally, Prof. Gresamma Mathew, Head of the Department of Economics, BCM College, Kottayam, Dr. Joy George, Department of Economics, St. Thomas College, Pala and Prof. Georgi Neernal J., Department of Economics, Nirmala College, Muvattupuzha who gave valuable suggestions and whole-hearted co-operation to the workshop to make it a memorable intellectual exercise.

I thankfully remember the support that we have received from Dr. S. Harikumar, Professor and HOD, Department of Applied Economics, CUSAT, Kochi, Sri. A.B. Aliyar, Administrative Officer, United India Insurance Co. Ltd., Kochi, Sri. Sunilkumar S. Menon, Department of Economics, Government College, Thripunithura and Ms. Sini Kurian, Department of Computer Science, Al-Ameen College, Edathala for their timely help and guidance during the preparation of the restructured syllabi of the Model II programme.

Prof. P.X. Sebastian

Chairman

Board of Studies (UG) in Economics

MAHATMA GANDHI UNIVERSITY KOTTAYAM

B.A. ECONOMICS PROGRAMME CHOICE BASED CREDIT AND SEMESTER SYSTEM (2009 Admissions onwards)

AIMS AND OBJECTIVES OF THE PROGRAMME

The Board of Studies in Economics (UG) of the M.G. University reviewed the existing syllabi, curriculum and course content of the B.A. Degree Course and found that there should be a proper restructuring of the existing Degree Course. The curriculum should be made more useful and more job-oriented. At the same time, the syllabi must give sufficient impetus to academic inputs for preparing students for further study, research and teaching career in Economics.

In the present global scenario, Economics has emerged as one of the most 'sought after' subjects of study in Social Sciences as it immediately communicates with the changing societal priorities and needs. In the past 50 years or so, many new insights have taken root and become important in economic theory and policy. In the light of the expanding horizons of knowledge, constant endeavours have been made to review the curriculum in many of the universities in the world to make Economics a vibrant and meaningful subject.

In our university, this is the first endeavour in this regard. The Board takes the view that choice based credit semester system would create a high quality learning environment.

The principal aims and objectives of the BA Economics programme are:

- to provide students a well founded education in Economics;
- to provide structured curricula which support the academic development of students;
- to provide and adapt curricula that prepare our graduates for employment and further study as economists;
- to provide the students with the opportunity to pursue courses that emphasise quantitative and theoretical aspects of Economics ;
- to provide students with the opportunity to focus on applied and policy issues in Economics;
- to provide programmes that allow the students to choose from a wide range of economic specialisms;
- to provide a well resourced learning environment for Economics.

COURSE DESIGN

The UG programme in Economics includes: (a) common courses, (b) core courses, (c) complementary courses (d) open course and (e) a project. No course shall carry more than 4 credits. The students can select any choice based course offered by the department which offers the core courses, depending on the availability of teachers and infrastructural facilities in the institution. Open course shall be offered in any subject and the students shall have the option to do courses offered by other departments.

COURSES

The number of courses for the restructured programme should contain 15 core courses, including one choice based course from the frontier area of the course and a project, four complementary courses from the relevant subjects for complementing the core of the study, and an open course. There should be ten common courses which include the first and second languages of study.

Course Coding

Every course in the programme is coded according to the following criteria:

1. the first two letters from the programme i.e. EC;
2. one digit to indicate the semester i.e. EC1 (Economics I semester);
3. one letter from the type of course such as common course A, core course B, complementary course C, open course D, i.e. ECIB (Economics I semester core course);
4. two digits to indicate the course number of that semester, i.e. ECIB01 (Economics I semester, core course No.1);
5. the letter U to indicate the under graduate programme i.e. EC1B01U (Economics I semester, core course No.1, U for under graduate Programme). For vocational programme, for example, EC1VB01U.

Choice-based Credit and Semester System
B.A. (Economics) Programme – Model - I
Detailed Distribution of Courses

Semester	Title of the Course	Hours per Week	Credit	Weightage	
				Internal	External
I	English I	5	4	1	3
	English Common I	4	3	1	3
	Second Language I	4	4	1	3
	Methodology of Social Sciences with Special Reference to Economics	6	4	1	3
	Complementary I	6	4	1	3
II	English II	5	4	1	3
	English Common II	4	3	1	3
	Second Language II	4	4	1	3
	Development and Environmental Economics	6	4	1	3
	Complementary II	6	4	1	3
III	English III	5	4	1	3
	Second Language Common I	5	4	1	3
	Principles of Micro Economics	5	4	1	3
	Modern Banking	4	4	1	3
	Complementary III	6	4	1	3
IV	English IV	5	4	1	3
	Second Language Common II	5	4	1	3
	Micro Economic Analysis	5	4	1	3
	Public Economics	4	4	1	3
	Complementary IV	6	4	1	3

Semester	Title of the Course	Hours per Week	Credit	Weightage	
				Internal	External
V	Quantitative Techniques for Economic Analysis	6	4	1	3
	Principles of Macro Economics	5	4	1	3
	Indian Economy	5	4	1	3
	Open Course*	4	4	1	3
	Economics of Financial Markets	5	4	1	3
VI	Quantitative Economics	6	4	1	3
	Macro Economic Analysis	5	4	1	3
	Development Issues of the Indian Economy	5	4	1	3
	Choice-based Course**	4	4	1	3
	International Economics	5	4	1	3
	Project	-	2	1	3
	TOTAL	150	120		

* One course to be selected from the list of Open Courses.

** One course to be selected from the list of Core-Choice Based.

B.A. Economics Programme – Model - I
Core, Complementary, Choice-based & Open Courses

Sem.	Core Papers	Exam	Teaching hours	Credits	Weightage	
					Internal	External
S1	Core 1 – Methodology of Social Sciences with Special Reference to Economics (EC1B01U)	S1	6	4	1	3
	Complementary 1	S1	6	4	1	3
S2	Core 2 – Development and Environmental Economics (EC2B02U)	S2	6	4	1	3
	Complementary 2	S2	6	4	1	3
S3	Core 3 – Principles of Micro Economics (EC3B03U)	S3	5	4	1	3
	Core 4 – Modern Banking (EC3B04U)	S3	4	4	1	3
	Complementary 3	S3	6	4	1	3
S4	Core 5 – Micro Economic Analysis (EC4B05U)	S4	5	4	1	3
	Core 6 – Public Economics (EC4B06U)	S4	4	4	1	3
	Complementary 4	S4	6	4	1	3
S5	Core 7 – Quantitative Techniques for Economic Analysis (EC5B07U)	S5	6	4	1	3
	Core 8 – Principles of Macro Economics (EC5B08U)	S5	5	4	1	3
	Core 9 – Indian Economy (EC5B09U)	S5	5	4	1	3
	Open Course	S5	4	4	1	3
	Core 10 - Economics of Financial Markets (EC5B10U)	S5	5	4	1	3
S6	Core 11 – Quantitative Economics (EC6B11U)	S6	6	4	1	3
	Core 12 – Macro Economic Analysis (EC6B12U)	S6	5	4	1	3
	Core 13 – Development Issues of the Indian Economy (EC6B13U)	S6	5	4	1	3
	Core 14 – Choice-Based Course	S6	4	4	1	3
	Core 15 – International Economics (EC6B15U)	S6	5	4	1	3
	Project (EC6B16U)	-	-	2	1	3
	Total Credits			82		

Total credits for core and complementary - 78
 Open - 4

 82

List of Complementary Courses

The following Complementary courses are suggested with the option for choice (**two semester courses for each subject**)

1. History
2. Political Science
3. Psychology
4. Sociology
5. Mathematics
6. Mathematical Economics
7. Logic

From among the above choices, Colleges can choose any **two** courses offered by the University without affecting the existing work load.

OPEN COURSES

1. Foundations of Environmental Economics (**EC5D01U**)
2. Fundamentals of Economics (formerly *Readings in Economics*) (**EC5D02U**)
3. Agricultural Economics (**EC5D03U**)
4. Demography (formerly *Economics of Population*) (**EC5D04U**)
5. Business Economics (**EC5D05U**)

Colleges can choose any **one** of the above courses.

CORE - CHOICE BASED COURSES

One core course can be chosen from among the following **seven** courses.

1. Outline of Economic Thought (**EC6B14.1U**)
2. Human Resource Management (**EC6B14.2U**)
3. Marketing Management (**EC6B14.3U**)
4. Entrepreneurship and Small Business Economics (**EC6B14.4U**)
5. Travel and Tourism Management (**EC6B14.5U**)
6. Econometric Methods (**EC6B14.6U**)
7. Informatics (**EC6B14.7U**)

COMPLEMENTARY COURSES (Economics) FOR OTHER BA PROGRAMMES

Course 1: Principles of Economics (**EC1C01U**) / (**EC3C03U**)
(formerly *General Economic Principles*)

Course 2: Basic Economic Studies (**EC2C02U**) / (**EC4C04U**)

Pattern of Examination

The evaluation of the course shall contain two parts such as Internal or In-semester Assessment (IA) and External or End-Semester Assessment (EA). The ratio between internal and external examination shall be 1:3. The internal and external examinations shall be evaluated by using direct grading system based on five-point scale.

Internal Assessment (IA)

Internal evaluation is to be done by continuous assessment on the following components. The components of the internal evaluation for the theory and the weights are as follows.

Components	Weight
Attendance	1
Assignment	1
Seminar	1
Best two test papers	2

Attendance

% of Attendance	Grade
> 90%	A
85 – 90	B
80 – 85	C
75 – 80	D
< 75	E

The minimum required percentage of attendance for appearing in the various semester examinations is fixed as 75.

Assignment : Best of the two assignments is considered per course.

Seminar : The student has to take a minimum of one seminar per course.

Test paper : A minimum of two class tests are to be attended. The grades of best two tests are to be taken.

External or End-Semester Assessment (EA)

The external examinations of all semesters shall be conducted by the university on the close of each semester. There will be no supplementary examinations. For reappearance / improvement, students can appear along with the next batch.

Pattern of Questions

Questions shall be set to assess knowledge acquired, standard application of knowledge, application of knowledge in new situations,

critical evaluation of knowledge and the ability to synthesise knowledge. The question setter shall ensure that questions covering all skills are set. He/she shall also submit a detailed scheme of evaluation along with the question paper.

A question paper shall be a judicious mix of objective type, short answer type, short essay type/problem solving type and long essay type questions. Different types of questions shall be given different weights to quantify their range.

For all Semesters:

1. Examination has a duration of 3 hours
2. Each question paper has four parts A, B, C and D
3. Part A contains 16 objective type questions for which the candidate has to answer all the questions. Each bunch of 4 questions carries a weightage of 1.
4. Part B contains eight short answer type questions spanning the entire syllabus and the candidates have to answer five questions. Each question carries the weightage of 1.
5. Part C contains six short essay/problem type questions and the candidates have to answer four questions. Each question carries a weightage of 2.
6. Part D contains three essay type questions and the candidates have to answer two questions. Each question carries a weightage of 4.

Eligibility for Certificates

The student who scores a separate minimum of grade D for all the courses and scores a minimum CGPA (Cumulative Grade Point Average) of 2 or an overall grade of C+ and above is eligible for the award of the certificate of the programme.

Final Grade Card

The final grade card issued at the end of the final semester shall be based on CGPA of the core courses and complementary courses of the entire programme. The CGPA should contain the awarded GRADE LETTER and the corresponding GRADE POINT in two decimal places.

PROJECT (EC6B16U)

All students must do a project. It can be done individually or as a group. However, the viva voce examination on this project will be conducted individually. The projects are to be identified during the V semester of the programme with the help of the supervising teacher. The report of the project is to be submitted to the department for valuation by the examiners appointed by the University.

A project is a scientific and systematic study of real issue or a problem intended to resolve the issue with application of concepts, principles, theories and processes. It should entail scientific collection, analysis and interpretation of data to valid conclusions.

TOPIC SELECTION:

The first step of the project work is to choose a suitable topic for study. This choice will be entirely personal from the area of interest or career prospects of students. The study can deal with any issue of social and economic relevance in an area, organization, related issues of contemporary relevance or a case study to investigate and describe a phenomenon within its real life context.

PROJECT WORK AND EXPERIENTIAL LEARNING:

Project Work is the best way to practise what you have learnt. It provides an opportunity to investigate a problem by applying concepts in a scientific manner. It enables the application of conceptual knowledge in a practical situation and to learn the art of conducting a study in a systematic way and presenting its findings in a coherent report. The project work helps the students to address and resolve a range of issues an economy faces and become part of valuable learning experience.

PROJECT GUIDELINES:

1. Project work may be done individually or as a team of students not exceeding 5 in number.
2. Team should be, to the extent possible, diverse in composition with different capabilities (weak, strong, creative, analytical etc.) and different orientation (liberal, conservative etc.) to enable cross learning.
3. Divide the project up into a series of smaller steps or parts. Put the parts of the project into a time sequence (literature survey, acquiring a sampling frame, data, analysis etc.)
4. The project topic should be on economic issues / theoretical / case study type bearing on the economic aspects of social life
5. Project topic should be identified in the V semester and the project work should be completed by the end of the VI semester.
6. Project work should be done under the supervision and guidance of teachers.
7. A copy of the project report in English (printed or typed) should be submitted by the student/ team on or before 31 March of the year concerned.
8. The valuation of the project will be done at two stages:
 - a. Internal evaluation (supervising teachers will assess the project and award grades)
 - b. External evaluation (The team will comprise of an external examiner appointed by the University and the HOD of the institution concerned or his nominee)

- c. A Viva voce related to the project work will also be conducted by the external evaluation team. All candidates should undergo the Viva voce test individually.
 - d. Grades will be awarded to candidates combining the internal grade, team grade and Viva voce grade.
9. Length of the project report - 20 to 35 pages. The report may be organized in 3 chapters(minimum).The use of simple statistical tools in data analysis may be encouraged.
 10. Project evaluation and the Viva voce should be conducted immediately after the completion of the regular classes /written examination.
 11. The chairman of the VI semester exam should form and coordinate the evaluation teams and their work.
 12. The project external evaluation should be completed before the commencement of the centralized valuation.
 13. External Examiners will be appointed by the University from the list of VI semester Board of Examiners in consultation with the Chairperson of the Board.

PROJECT EVALUATION

Internal		External	
Component	Weight	Component	Weight
Punctuality	1	Relevance of the Topic	1
Use of Data	1	Statement of Objectives	1
Scheme/Organization of Report	2	Methodology	1
Group Involvement	1	Presentation of Facts / Figures / Diagrams etc.	2
TOTAL	5	Quality of Analysis/Use of Statistical Tools	2
		Findings & Recommendations	2
		References	1
		TOTAL	10

A MODEL PROJECT DESIGN

The project work can be designed by considering the following elements.

1. Selection of a Topic
2. Pilot Survey – a trial run of questionnaire / interviews
3. Significance / Social relevance of the Study
4. Review of Literature

5. Formulation of Research Questions / Issues
6. Research Objectives (Minimum 2)
7. Coverage (Universe / Sample & period of study)
8. Data source (Primary/Secondary)
9. Methods of Analysis i.e., Tools and Techniques
10. Limitations of the study
11. Chapter outline
12. Result Chapter(s)
13. Conclusion

STRUCTURE OF THE REPORT

The report should be organized in the following sequence:

- i) Title page
- ii) Name of the candidate, Name and designation of the supervising teacher
- iii) Declaration of the student and certificate of the supervising teacher
- iv) Acknowledgements
- v) List of tables, List of figures, table of contents
- vi) Introduction
- vii) Significance of the study
- viii) Related works, if any
- ix) Objectives, methodology and data sources
- x) Chapter scheme
- xi) Main text, summary conclusions and recommendations
- xii) Bibliography

SYLLABI OF THE COURSES:

The detailed syllabi of the Courses are appended.

Semester I

Core 1: Methodology of Social Sciences with Special Reference to Economics (EC1B01U)

No. of Credits - 4

No. of Contact hours – 108

Aim of the Course

The course intends to familiarize the students with the broad contours of Social Sciences and their methodology, especially of Economics.

Objectives of the course

- Identify the main concerns of social science disciplines.
- Articulate the basic terminology and theories prevalent across various disciplines.
- Understand qualitative and quantitative models within the social sciences, especially Economics
- Learn to apply the methods and theories of social sciences to contemporary issues
- Critically read popular and periodical literature from a social science perspective.

Module I - Introduction to Social Sciences

- Social Science - Its Emergence and Development
 - An analysis of the disciplines that make up the Social Sciences – their relations and differences – Relation with Natural Sciences and Humanities - Relevance of the Social Sciences in understanding and solving contemporary problems at the regional, national and global levels - Inter-disciplinary approach in Social Sciences – the concept of epistemology – Objectivity in social sciences
- 33 hrs

Module II - Basic Principles and Concepts

- A brief description of Empiricism, Rationalism, Positivism, Institutionalism, Structuralism, Behaviouralism, Utilitarianism, Determinism, Constructivism, Modernism and Post Modernism - Concept, variable, hypothesis, Theory, Paradigm, Law, Method and Methodology.
 - Scientific Method and its steps – Research – Research Methods in Social Sciences - A study of source materials and library techniques as well as methods employed by social scientists.
- 30 hrs

Module III- The Methodology of Economics

The subject matter and scope of Economics - the twin themes of Economics-scarcity and efficiency – Nature of Economic Laws – Methods of formulating Economic Theories - the deductive and inductive methods - merits and demerits - construction and verification of economic theories – static, comparative statics and dynamic methods of analysis - equilibrium analysis – partial and general. 25 hrs

Module IV: Economic Systems and Models

Nature of an economy – economic systems - market economy - command economy and mixed economy – Prices and Markets in economic systems – Economic Models – Micro and Macro Models – Stock – flow – endogenous and exogenous variables 20 hrs

Note on course work

Emphasis will be on the discussion of certain concepts and categories that appear in all disciplines that form part of Social Sciences, thus underscoring the interrelatedness of various disciplines. Efforts should also be made to introduce to the students the methodological devices that are commonly used in the different disciplines, thus emphasizing the interdisciplinary character of the study programmes. Efforts will also be made to relate theory to the world of life and vice versa to help the student to move from experiential to conceptual levels, from concrete to the abstract as he/she progresses.

Readings

1. Hunt, Elgin F (2008). "Social Sciences and its Methods", in Social Sciences: An Introduction to the Study of Society; Allyn and Bacon.
2. Perry, John (2009), "Through the Lens of Science", in Contemporary Society: an Introduction to Social Science, Allyn and Bacon.
3. Porta, Donatella Della and Michael Keating (2008). Approaches and methodologies in Social Sciences: A Pluralistic Perspective, Cambridge University Press, Delhi, pp. 19-38.
4. Jack Harvey & Erine Jowsey, Modern Economics 8th ed. Palgrave – MacMillan
5. Lipsey and Crystal (2008), Economics, OUP, New Delhi.
6. Wallerstein, Emmanuel (1996), *Open the Social Sciences*, Vistaar Publications, New Delhi
7. Peter Burke(1992), History and Social Theory, Polity Press,
8. Martin Hollis(2000), *The Philosophy of Social Science: An Introduction*, Cambridge University Press.

Semester II

**Core 2 - DEVELOPMENT AND ENVIRONMENTAL ECONOMICS
(EC2B02U)**

No. of Credits - 4

No. of Contact hours – 108

Learning Objectives

1. To enable the students to understand the theories and strategies of growth and development
2. To impart knowledge about the issues relating to sustainable development, environmental protection and pollution control measures.

Module I

Economic Growth and Development: Meaning and indicators of economic growth and development-GNP-Per capita income-PQLI-HDI-HPI – Sen’s capabilities approach- features of underdevelopment - factors affecting economic development (capital, labour and technology) - Development Gap - measuring poverty -theories of economic growth and development: Classical – Marxian - Schumpeterian - Stage theory – structuralist - dependency- and market-friendly approaches (concepts only). (35 Hrs)

Module II

Approaches to Economic Development: The vicious circle of poverty - low level equilibrium trap - Critical minimum effort thesis - Big push – Lewis model – Dualistic theories - balanced vs unbalanced growth strategy - cost-benefit analysis. (33 Hrs)

Module III

Human Resource Development - concept of intellectual capital- population growth and economic development – Malthusian theory of population - theory of demographic transition - issues of good governance. (15 Hrs)

Module IV

Environment-Economy Linkage - environment as a necessity and luxury - environment as a public good – global environmental issues and concerns - Causes for environmental degradation - market failure for environmental goods - the tragedy of commons - sustainable development - property right approach to environmental problems - valuation of environmental damages – pollution - control of pollution: policy instruments and legislations - environmental accounting. (25 Hrs)

Readings

1. Todaro and Smith, *Economic Development*, Pearson Education, New Delhi (recent edition).

2. Thirlwall (recent edition), *Growth and Development with Special Reference to Developing Countries* (recent edition) Palgrave MacMillan, New Delhi.
3. Benjamin Higgins (1968), *Economic Development*, Universal Book Stall, New Delhi.
4. Meier, G.M. (2007), *Leading Issues in Economic Development*, Oxford University Press, New Delhi.
5. Katar Singh and Anil Shishodia (2007), *Environmental Economics: Theory and Application*, Sage Publications, New Delhi.
6. Nick Hanley et al (2007), *Environmental Economics: Theory and Practice*, palgrave macmillan.

Semester III**Core 3 – Principles of Micro Economics (EC3B03U)****No. of Credits - 4****No. of Contact hours – 90****Learning Objectives**

This course is designed to provide basic understanding of micro economic concepts, behavior of economic agents – consumer, producer, factor owner – price fluctuations in the market. The modules included in this course deal with the concepts of consumer behaviour, production, market, factor pricing and Welfare Economics.

Module I – Introduction to Micro Economics

Micro Economics - positive and normative – Short run and long run, equilibrium and disequilibrium analysis - Micro economic policy: Goals - efficiency and equity - micro economic models – assumptions and reality – maximization hypothesis - *ceteris paribus* assumption – market mechanism – need for governmental intervention – production possibility frontier. 10 hrs

Module II - Demand and Supply Analysis

Demand Determinants – individual and market demand schedules – changes and shifts in demand – Market demand and elasticity – types and degrees of price elasticity – determinants – Arc and point elasticity (geometric and arithmetic) Income elasticity of demand – cross elasticity.

Supply – supply schedule and supply curve – changes and shifts in supply - elasticity of supply - measurement and application. Seller's view – Revenues – total, average and marginal – revenue and price elasticity - market equilibrium and impact of changes in demand and supply - dynamic demand and supply model: Cobweb 25 hrs

Module III - Theory of Consumer Behaviour

Consumer preference and choice - utility – total and marginal utility – cardinal and ordinal utility. Analysis of consumer behaviour - law of diminishing marginal utility – law of equi-marginal utility – consumer equilibrium under cardinal utility. Application: water – diamond paradox and consumers surplus.

Ordinal utility analysis – indifference curve analysis – properties – consumer's income and price constraints: budget line - (response to changes in price and income) under ordinal utility analysis.

Income effect and Engel curve, case of Giffen goods – price effect and demand curve – substitution effect – splitting

(decomposition) price effect into income and substitution effects: Hicksian and Slutsky approaches – measurement of consumers surplus in Hicksian approach – criticisms of ordinal utility approach. Behaviourist approach - Revealed preference theorem of Samuelson – derivation of demand curve – distinction between weak and strong ordering. 30 hrs

Module IV - Theory of Production

Production – production function – total, marginal and average product – (geometric & arithmetical) – short run analysis of production function – returns to a factor - law of variable proportions – three stages.

Production function with two variable inputs – Isoquants – properties – Isocost line - production decision - optimal input combination – producers equilibrium – expansion path – long run production function – returns to scale - economies and diseconomies of scale – internal and external economies - empirical production function: Cobb-Douglas production function - its properties. 25 hrs

Readings

1. A. Koutsoyiannis, (1979), *Modern Micro Economics*, Palgrave McMillan
2. Dominick Salvatore, *Micro Economics – Theory and Application* 4th ed., Oxford University Press, New Delhi.
3. Robert S. Pindyck, et al., (recent edition) *Micro Economics –* Pearson Education, Delhi.
4. G.S. Maddala and Ellen Miller (2004), *Micro Economics - Theory and Applications*, Tata McGraw Hill, Delhi.

Semester III

Core 4 – Modern Banking (EC3B04U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

Banking has a long history in the world. It has undergone profound changes in recent years especially after the far-reaching banking sector reforms in India and elsewhere. The present course is designed to acquaint the students with the working of banks and to familiarize them with the basic principles and concepts which are often used in banking literature.

Module I - Banking: Structure and Theories

Evolution of Banking - Italy and England - Brief history of commercial banking in India - Structure of commercial banks - Functions - Credit creation - Branch banking - Unit banking - Mixed banking - Chain banking - Theories of Banking, Real Bills Doctrine - Shiftability theory - Anticipated Income theory - Theories of portfolio management - liquidity, safety and profitability - prime lending and sub-prime lending - NPA - Development banks - IFCI, UTI, SIDBI - Co-operative Banks in India - their role in the field of rural credit.

(22 hrs)

Module II - Central Bank

Central Bank - meaning - Central Banking in Sweden, England, USA and India. Functions of Central Bank with reference to RBI - Monetary policy of RBI - Repo rate and Reverse Repo rate - Call rate - SLR & NLR.

(15 Hrs)

Module III – Banking Sector Reforms and Emerging Trends

Banking sector reforms - Narasimham Committee Reports - New generation banks and emerging trends in banking - e-banking, ATM, Debit and Credit cards - Internet banking - Core banking - Mobile banking, RTGS, NEFT, SWIFT, MICR cheques / drafts.(15 Hrs)

Module IV – Practical Banking

Practical Banking - Banker-customer relationship - General and special relations - Garnishee order - Negotiable instruments - Credit instruments - Cheques, drafts, promissory notes, bills of exchange. Types of credit - loans and advances - cash credit - overdraft - discounting of bills of exchange. Modes of creating charges - lien, pledge, mortgage & hypothecation.

(20 Hrs)

Readings

1. Sayers R.S. (1977), *Modern Banking*, OUP, New Delhi.
2. Hajela, T.N., (2009) *Money and Banking*, Ane Books Pvt Ltd., New Delhi.
3. Sundharam KPM, *Banking: Theory, Law and Practice*, Sultan Chand and Sons, New Delhi (recent edition)
4. M.R. Baye, D.W. Jansen (1996), *Money, Banking and Financial Markets*, AITBS (Indian ed.)
5. K.C. Sekhar: *Banking – Theory and Practice*, Vikas Publishing House, New Delhi (recent edition)

Semester IV

Core 5 – Micro Economic Analysis (EC4B05U)

No. of Credits - 4

No. of Contact hours – 90

Module I - Cost Analysis

Theory of costs – traditional theory of costs – short run and long run – real cost – money cost, explicit and implicit cost - sunk cost – accounting and economic concepts of cost - fixed cost – variable cost – total cost – average cost – marginal cost – reasons for the U shape of the average cost curve – short run and long run cost curves - envelope curve – modern theory of cost – short run and long run curves - ‘L’ shaped and ‘saucer’ shaped curves. (25 Hrs)

Module II - Firms & Market Structure

Market – structure – perfect competition - characteristics – firm & industry – short run and long run equilibrium of a firm and industry – derivation of supply curve- shutdown point.

Imperfect market – monopoly – features –short run and long run - discriminating monopoly - price discrimination - price and output determination under discriminating monopoly - degrees and types of price discrimination – dumping – bilateral monopoly – Monopsony - monopolistic competition – non-price competition and selling costs - short run and long run (group) equilibrium. Ideal output and excess capacity – wastages of monopolistic competition.

Oligopoly – Nature of oligopoly – price stickiness - kinked demand curve - collusive oligopoly – cartels and price leadership – low cost firm – dominant and barometric – Duopoly – market with Asymmetric Information (concept only) (35 Hrs)

Module III - Factor Pricing and Distribution

Functional versus personal distribution - concepts of total physical product (TPP) APP – VMP – MRP – marginal productivity theory of distribution – factor price determination in a perfectly competitive market and imperfect competition. (15 Hrs)

Module IV - Welfare Economics

Edgeworth Box diagram – contract curve - Criteria of social welfare – growth of GNP as a criteria of welfare – Bentham criterion – cardinalist criterion - Pareto optimality criterion – Kaldor and Hicks compensation criterion – Arrow’s impossibility theorem - Rawlsian concept of justice – Amartya Sen’s concept of social welfare. (15 Hrs)

Readings

1. A. Koutsoyiannis (1978), *Modern Micro Economics*, palgrave mcmillan
2. Dominick Salvatore, *Micro Economics – Theory and Application* 4th ed., Oxford University Press, New Delhi.
3. Robert S. Pindyck, et al., (recent edition) *Micro Economics – Pearson Education*.
4. G.S. Maddala and Ellen Miller (2004), *Micro Economic Theory and Applications*, Tata McGraw Hill.

Semester IV

Core 6 – Public Economics (EC4B06U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

The purpose of this course is to give an understanding of the role of state in fostering the economic activities via budget and fiscal policies. This course enables the students to understand the various issues between Central and State Governments

Module I - INTRODUCTION TO PUBLIC ECONOMICS

Nature and scope of Public Economics – comparison of public and private finance – public goods vs private goods – role of state in economic activities – market failure and role of government – principle of maximum social advantage – the role of fiscal policy

(18 Hrs)

Module II - PUBLIC REVENUE

Public Revenue – Tax and Non-tax revenue – Taxes – types and canons – principles of taxation – benefit principle and ability to pay theory – impact and incidence of taxation – Effects of taxation – concept of taxable capacity – the Laffer curve – Budget and its role.

(18 Hrs)

Module III - PUBLIC EXPENDITURE AND PUBLIC DEBT

Meaning – Canons of public expenditure – pattern and growth of public expenditure – effects – public debt – types – debt redemption – burden of public debt – public debt in India.

(18 Hrs)

MODULE IV - FISCAL FEDERALISM

Meaning and Importance – vertical and horizontal equity in fiscal federalism – fiscal federalism in India – Finance commission – Theory of grants – resource transfer from union to states – criteria for transfer of resources – State Finance Commission and Panchayati Raj institutions

(18 Hrs)

Basic Readings

1. Harvey Rosen, (2008) Public Finance, McGraw Hill, New York.
2. Bernard P. Harbar, Modern Public Finance (Richard Irvin Inc)
3. H.L. Bhatia., Public Finance, Vikas Publishing House Pvt Ltd., New Delhi (recent edition)
4. B.P. Tyagi., Public Finance, Jai Prakash Nath & Co., Meerut (recent edition)
5. Musgrave and Musgrave (1984), Public Finance in Theory and Practice, McGraw Hill, New Delhi (reprint edition)
6. Joseph Stiglitz, Economics of Public sector, Norton, New York (recent edition)

Semester V

**Core 7 – Quantitative Techniques for Economic Analysis
(EC5B07U)**

No. of Credits - 4

No. of Contact hours – 108

Learning Objectives

The objective of this course is to equip the students with primary statistical and mathematical tools for analysing economic problems.

Module I:

Role of Statistics in Economics – Functions performed – limitations. Statistical data: Primary and Secondary – their sources: Census and sampling techniques – Sample designs – preparation of questionnaires – classification and Tabulation of statistical data – Presentation of data with the help of charts and diagrams (Histogram, Polygon, frequency curve, Bar chart, Pie diagram, Ogives) 40 hrs

Module II:

Basic Mathematics for Economic Analysis – Basic concepts: variables, constants, parameters, equations, sequences, progression, population (only definitions with examples) The real number system. Types of numbers – properties of real numbers – set theory – Types – Set operations – Venn diagrams – Functions: Important economic functions – Ordered pairs and Cartesian products. Introduction to matrices – Definition and types of matrices. 30 hrs

Module III:

Index numbers – Different types – Importance and limitations, Problems in construction – Weighted and Unweighted price index numbers – Different methods of construction (Price indices only) – Simple aggregative, simple average of price relatives, Laspeyre's, Paache's, Fisher's and Marshall Edgeworth's indices, Cost of living index numbers: significance and construction (Family budget method only). 25 hrs

Module IV:

Time series analysis: uses, components, measurement of trend (free hand method and semi average method only). 13 hrs

Readings

1. Chiang A.C. (2005), Fundamental Methods of Mathematical Economics, McGraw Hill.
2. Gupta S.P., Statistical Methods, Sultan Chand & Sons, New Delhi.
3. Allen R.G.D., Mathematical Analysis for Economists, palgrave mac millan.
4. Monga G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
5. Thomas P.M., Quantitative Economics, Chinnu Publications, Kottayam.

Semester V

Core 8 – Principles of Macro Economics (EC5B08U)

No. of Credits - 4

No. of Contact hours – 90

Learning Objectives

This course is designed to make the students aware of the theoretical aspects of Macro Economics.

Module I - Basic Concepts

Micro and Macro Economics – Macro statics and Macro dynamics – Economic models – macro economic variables – Stock – Flow – Endogenous and Exogenous – Actual GNP and Potential GNP – Net Economic Welfare (NEW) 10 hrs

Module II - National Income Accounting

National Income Concepts and their relationships – Real Vs Nominal GNP – GNP deflator – Consumer Price Index and Producer Price Index – Methods of measurement – Value Added – Income and expenditure methods- Estimation of NI in India- difficulties in the measurement of national income – Estimation of GNP_{MP} - GDP_{MP} - NDP_{MP} - NNP_{MP} - NNP_{FC} - personal income-Disposable personal income-percapita income - private income - private saving and investment-compensation of employees and operating surplus. 25 hrs

Module III - Classical Economics

Classical Revolution – Key Classical assumptions – Say's Law of Markets – Classical theory of employment, output, prices and interest – Classical dichotomy – Quantity theory of money – Cash transactions and Cash balances approaches. 20 hrs

Module IV - Keynesian System

Keynesian Revolution – Keynes' attack on Classics – Consumption Function – APC, MPC, APS and MPS with numerical illustration - Keynesian model of income determination – Keynesian cross – 45° ASF – ADF – Effective demand – changes in equilibrium income – Effect of an increase in autonomous investment and taxes with algebraic illustration – Investment multiplier – Static and dynamic – balanced budget multiplier- multiplier in perspective-leakages of the multiplier - Income determination in an open economy and foreign trade multiplier- Pigou effect and Keynes effect-Keynesian theory of demand for money and interest rate. Keynesian analysis on stickiness of wages and prices. 35 hrs

Readings

1. N. Gregory Mankiw (recent edition), *Macro Economics*, Worth Publications, New York
2. Richard T. Froyen (recent edition), *Macro Economics - Theories and Policies*, Pearson Education
3. Eugene Diulio (2004), *Macro Economics – Schaum’s Outline Series*, Tata McGraw Hill, New Delhi.
4. Shapiro, Edward (1982), *Macro Economic Analysis*, Galgotia Publications (reprint edition)
5. Sampat Mukerjee (2008), *Analytical Macro Economics: From Keynes to Mankiw*, New Central Book Agency, Calcutta.
6. Andrew B. Abel (2011), *Macro Economics*, Pearson, Delhi.

Semester V

Core 9 – Indian Economy (EC5B09U)

No. of Credits – 4

No. of Contact hours – 90

Learning Objective

The objective of the course is to equip the students with the theoretical, empirical and policy issues relating to the society, polity and economy of India. The course, in particular, has been prepared in the background of the globalization process and its diverse ramifications on the knowledge economy.

Module I- Indian Economy Before Independence

Structure of the Indian Economy before the colonial period- villages and towns, industries and handicrafts-Indian economy during the colonial period – economic consequences of British rule- Drain of wealth. (30 Hrs)

Module II- Demographic Features-

Population–size, structure (sex and age) – characteristics – population change – rural–urban migrations, occupational distribution, problems of over population, population dividend, population policy, Gender inequality, women empowerment. (20 Hrs)

Module III – Planning in India

Objectives- Strategy, Achievements and Failures – Inclusive growth - current Five Year Plan, New Economic Reforms and the rationale behind economic reforms – Liberalization, Privatization and Globalization – Structural Adjustment Programmes – progress of privatization and globalization. (25 Hrs)

Module IV- National Income and Development Issues:-

Trends in India's National Income – Magnitude of poverty and inequality in India - unemployment, black money and corruption – rising prices - energy crisis – Micro finance and its significance – importance of infrastructure in India's economic development.

(15 Hrs)

Readings

1. Gaurav Datt & Ashwani Mahajan (recent edition), Datt & Sundharam Indian Economy, S. Chand & Co., New Delhi
2. Uma Kapila (recent edition), Indian Economy since Independence, Academic Foundation, New Delhi.
3. Misra and Puri (recent edition), Indian Economy- Himalaya Publishing House, Mumbai
4. Dhingra I.C (recent edition), Indian Economy, Sultan Chand & Co., New Delhi.
5. A.N Agrawal (recent edition), Indian Economy, New Age International, New Delhi.

Semester V

Core 10 – Economics of Financial Markets (EC5B10U)

No. of Credits - 4

No. of Contact hours – 90

Learning Objectives

Financial institutions and markets play a significant role in all the modern economies of the world. The study of this area is significant especially after the financial sector reforms in most of the countries. The present course is designed to acquaint the students with the changing role of the financial sector of the economy. The stake holders are to familiarize with the basic concepts, the financial institutions and markets.

Module I – Financial Institutions and Securities

Financial Institutions - Monetary and Non-monetary (banking and non-banking) financial intermediaries - insurance companies (life and general insurance), pension funds and provident funds, mutual funds, investment banks, unit trusts, asset management companies, venture capital funds - primary security and secondary security - gilt-edged securities. (20 Hours)

Module II – Money Market

Financial markets-money and capital markets; Money market-meaning and structure-developed and underdeveloped money markets- advantages of developed money market - London and New York money markets - major financial instruments in the money markets - Money market in India - rural money market in India - role of RBI and DFHI in Indian money market. (20 Hours)

Module III – Capital Market

Capital market-meaning and composition-primary and secondary markets-major financial instruments-equity shares and preference shares, debentures and bonds - G.D.Rs and A.D.Rs - DFIs and FIIs-QIBs - Primary market-institutions in the primary market-underwriters, merchant bankers and managers to issue-public issue and methods of public issue, IPO and FPO-book building-private placement, ESOP, blue chip shares, right shares and bonus shares-listing of securities - physical shares and demat shares, depository participants-NSDL and CSDL-SEBI and capital market in India (only an overview). (25 Hours)

Module IV – Stock Exchanges and Trading (Overview only)

Stock exchanges - stock exchanges in India - BSE and NSE - auction trading and screen based trading system - BOLT-Stock indices in India and abroad - BSE Sensitive index and Nifty indices; Dow Jones, NASDAQ, FTSE, Nikkei-kerb trading – stock split-

derivatives-option trading-stock futures - exchange traded funds (ETF) - Credit ratings - credit rating institutions in India – CRISIL, ICRA and CARE. (25 Hours)

Readings

1. S.B. Gupta (2001). Monetary Economics: Institutions, Theory and Policy, S. Chand & Co, New Delhi, Part I
2. L.M. Bhole (recent edition). Financial Institutions and Markets, Tata McGraw Hill, New Delhi
3. V.A. Avadhani, Investment and Securities Market in India, Himalaya Publishing House, Bombay (recent edition)
4. Zvi Bodie, Robert C Merton et al. (2009), Financial Economics, Pearson Education (Ch.1 (1.1, 1.2), Ch.2 (2.1, 2.5, 2.7) only.
5. M.Y. Khan (recent edition) Indian Financial System, Tata McGraw Hill, New Delhi.

Semester VI

Core 11 – Quantitative Economics (EC6B11U)

No. of Credits - 4

No. of Contact hours – 108

Module I

Central Tendency and Dispersion - Various central tendency measures - Arithmetic mean – properties – merits and demerits – methods of calculation – weighted, unweighted and combined. Median – definition – merits and demerits – method of calculation – graphic location – Mode – merits and demerits – methods of calculation: significance of dispersion, methods, absolute and relative measures – Range, quartile deviation, mean deviation, standard deviation – Lorenz curve and its economic applications.

(30 Hrs.)

Module II

Correlation and regression analysis: their significance in Economics – Correlation and regression compared – types of correlation – measurement, scatter diagram, Karl Pearson's correlation coefficient (for raw data only). Rank correlation – regression equations and regression lines – prediction of values based on equations 'y on x' and 'x on y'.

(30 Hrs.)

Module III

Skewness, Kurtosis, Moments: Types of skewness – measurement - Kurtosis – Definition and types (graphic presentation) Moments: central and raw moments (for ungrouped data only).

(10 Hrs.)

Module IV

Differential Calculus: Its significance in Economics. Rules of differentiation – First order and second order derivatives – some practical applications – Maxima and Minima of functions.

(10 Hrs.)

Module V

Probability and Distribution: Concept – Rules of probability (addition and multiplication theorem – statement only) – Different approaches – Important terms related to probability (Random experiments, sample space, events) – Simple problems based on theorems – Probability distribution – binomial and normal – their properties and uses – Estimation of probabilities using standard normal table.

(28 Hrs.)

Readings

1. Chiang A.C. (2005), Fundamental Methods of Mathematical Economics, McGraw Hill.
2. Gupta S.P., Statistical Methods, Sultan Chand & Sons, New Delhi.
3. Allen R.G.D., Mathematical Analysis for Economists, palgrave mac millan.
4. Monga G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
5. Thomas P.M., Quantitative Economics, Chinnu Publications, Kottayam.

Semester VI

Core 12 – Macro Economic Analysis (EC6B12U)

No. of Credits - 4

No. of Contact hours – 90

Learning Objectives

This course equips the students to understand systemic facts and the latest theoretical developments in Macro Economics.

MODULE I – Theories of Consumption Function

Short-run and long run consumption function - Keynes psychological law of consumption (Absolute Income Hypothesis) - permanent income hypothesis – relative income hypothesis – life-cycle hypothesis-other factors influencing consumption (subjective and objective). Numerical illustration and estimation of APC-MPC-APS-MPS, and determination of equilibrium level of income. (25 hrs)

MODULE II - Investment Function

Investment - Gross and net investment-Autonomous and induced investment – determinants of investment-Keynesian investment function – Marginal Efficiency of Capital (M.E.C)-Accelerator theory of investment –Acceleration principle- dampeners on the accelerator - built-in-stabilizers - concept of super multiplier with algebraic illustration. (20 hrs)

MODULE III - Money and Inflation

Money-Functions-forms of money-credit-constituents of money supply-Money multiplier-measurers of money supply in India-Post-Keynesian approaches to the demand for money-Tobin-Friedman and Baumol – Inflation: types – Causes - Demand-pull and cost-push inflation - effects of inflation - inflationary and deflationary gap analysis-inflation-unemployment and the Phillips curve, long run Phillips curve - Trade cycle and theories of trade cycle-Hawtrey-Hayek and Keynes. (30 hrs)

MODULE IV - Macro Economic Policies and IS-LM Framework

Monetary and Fiscal policies – crowding out effect - An IS schedule for a two-sector model-slope of IS - supply of and demand for money – The LM schedule-simultaneous equilibrium in money and goods market. 15 hrs

Readings

1. N. Gregory Mankiw (recent edition), Macro Economics, Worth Publications, New York.
2. Richard T. Froyen (recent edition), Macro Economics, Pearson Education, Delhi.

3. Macro Economics – Schaum’s Outlines, Tata McGraw Hill, Delhi.
4. Shapiro, Edward (1982), Macro Economic Analysis, Galgotia Publications, New Delhi (reprint edition).
5. Sampat Mukerjee (2008), Analytical Macro Economics: From Keynes to Mankiw, New Central Book Depot, Calcutta.
6. Andrew B. Abel (2011), Macro Economics, Pearson, Delhi.

Semester VI

**Core 13 – Development Issues of the Indian Economy
(EC6B13U)**

No. of Credits - 4

No. of Contact hours – 90

Learning Objective

The objective of the course is to equip the students with the theoretical, empirical and policy issues relating to the society, polity and economy of India. The course, in particular, has been prepared on the background of the globalization process and its diverse ramifications on the knowledge economy.

Module I : Agriculture

Nature and trends in agricultural production and productivity – Problems of Indian Agriculture - Green revolution, land reforms in India, Rural credit and agricultural marketing – Impact of economic reforms on Indian agriculture. 20 hrs

Module II : Industry

Industrial development during the plan period-Industrial policies (1948-1991). Recent industrial policies – MRTP Act, FERA and FEMA – Growth and problems of cottage and small scale industries, Role of public sector enterprises in India's industrialization – Public Sector in the post reform period - disinvestment policy - Impact of economic reforms on Indian Industrial sector – emerging services sector in India – Recent developments in insurance industry in India. 30 hrs

Module III: External Sector

Role of Foreign trade - trends in exports and imports- Composition and direction of India's foreign trade- Balance of payment crisis and new economic reforms – new trade policies – foreign capital - FDI, portfolio investments and MNCs. 20 hrs

Module IV: Kerala Economy

Features, Kerala model of development - Structural change and economic growth in Kerala - Land reforms - current issues in agriculture – food crisis – changes in cropping pattern – agricultural indebtedness – unemployment - IT sector in Kerala - fiscal crisis in Kerala, Gulf migration, energy policy and energy crisis, decentralized planning in Kerala. 20 hrs

Readings

1. Misra and Puri (recent edition), Indian Economy, Himalaya Publishing House, Mumbai.
2. Gaurav Datt & Ashwani Mahajan (recent edition), Datt & Sundharam Indian Economy, S. Chand & Co., New Delhi
3. Meera Bai M. (ed) (2008), Kerala Economy, Serials Publication, New Delhi.
4. Prakash B.A (2004) Kerala's Economic Development, Sage Publications, New Delhi
5. George K.K. (1993) Limits to Kerala Model of Development, CDS, Trivandrum.
6. B.A Prakash (2009), The Indian Economy since 1991: Economic reforms and performance, Pearson Education.
7. Sunil Mani et al. (ed) (2006), Kerala's Economy: Crouching Tiger, Sacred Cows, D.C. Books, Kottayam.
8. State Planning Board, Economic Review, Government of Kerala, Thiruvananthapuram (latest issue)

Semester VI

Core 15 – International Economics (EC6B15U)

No. of Credits - 4

No. of Contact hours – 90

Learning Objectives

The objective of this course is to arrive at an understanding of theories of international trade and to examine the impact of the trade policies on the world economy.

Module I - Introduction to the Theory of International Trade

International Economics – Meaning and Significance – Pure theory of international trade – Basic concepts – terms of trade – meaning and types - offer curve – community indifference curve – opportunity cost – Absolute advantage – Comparative advantage – the Heckscher – Ohlin theory – Leontief Paradox – gains from trade – static and dynamic gains. 25 hrs

Module II - Balance of Payments

Meaning and structure of balance of payments – equilibrium and disequilibrium in the balance of payments – measures to correct disequilibrium – monetary and non-monetary measures – Devaluation and Balance of Payments - Marshall-Lerner condition 20 hrs

Module III - Foreign Exchange Rate

Equilibrium Rate of Exchange – theories of exchange rate determination – mint parity theory – purchasing power parity theory – BOP theory – Fixed and flexible exchange rate - forward rate – spot rate – nominal, real, and effective rate of exchange – foreign exchange risks – hedging and speculation –currency derivatives –future options – currency swaps 25 hrs

Module IV - Trade Policy and Financial Systems

Commercial policy – free trade vs protection – Tariffs and Quotas - their effects – Bretton Woods System - IMF – IBRD; WTO: WTO and Indian economy 20 hrs

Readings

1. Sodersten, Bo. and Geoffry Reed, International Economics, palgrave macmillan
2. Dominic Salvatore, (recent edition) International Economics. John Wiley and Sons, Delhi.
3. Francis Cherunilam (2008), International Economics, Tata McGraw Hill, Delhi.
4. Paul Krugman and Maurice Obstfeld (recent edition), International Economics: Theory and Policy, Pearson Education, Delhi.
5. Dominic Salvatore, Schaum's Outlines, Theory and Problems of International Economics. Tata McGraw Hill, Delhi.

Semester V

**Open Course 1 – Foundations of Environmental Economics
(EC5D01U)**

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

This course provides necessary training to the students and intends to equip them to deal with environmental issues.

Module I. Definition and scope of Environmental Economics – economy – environment interactions (linkage) - problem of environment - Global Ozone depletion- deforestation – pollution – air – water – soil–food–Acid Rain- desertification- waste disposal- climate change-green house effect-global concern-environment as a necessity and luxury – the economics of sustainable development – Resource Economics: renewable and non-renewable resources. (26 Hrs)

Module II.

Ecosystem and Biodiversity Concept of ecosystem – structure and functions of an ecosystem – Producers, Consumers and Decomposers – Energy flow in the ecosystem – Food chain, food webs and ecological pyramids – Biodiversity: meaning and importance – value of biodiversity – threats to biodiversity – endangered and endemic species of India. (10 Hrs)

Module III. Market failure for environmental goods – socially optimal level of pollution – socially and privately optimal level of pollution – property rights approach to environmental problem - Externalities- positive and negative externalities. (18 Hrs)

Module IV. Valuation of environmental damages-Green accounting – environmental management – environmental governance and movements - environmental policy and education in India– environmental pollution and legislation in India. (18 Hrs)

Readings

1. Kolstad, C.D. (2007), Environmental Economics, OUP, New Delhi.
2. Janet Thomas (2009), Environmental Economics, Cenage Learning, New Delhi
3. Karpagam (2008), Environmental Economics, Sterling Publishers. New Delhi
4. R.K. Lekhi et al. (2008), Development and Environmental Economics, Kalyani Publishers, Ludhiana.
5. S.P. Misra & S.N. Pandey (2008), Essential Environmental Studies, Ane Books, New Delhi.
6. Katar Singh and Shishodia (2007), Environmental Economics – Theory and Application, Sage Publication, New Delhi.

Semester V

Open Course 2 – Fundamentals of Economics (EC5D02U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

This course is designed to make the undergraduate students of other disciplines aware of the basic ideas and concepts in Economics.

Module I: Basic Concepts

Economics - micro and macro – deduction and induction – basic economic problems - production possibility curve. Utility - total and marginal. Law of Demand – elasticity of demand - price elasticity - types. Law of supply.

National income – meaning and concepts

(16 Hrs)

Module II: Public Economics

State vs Market - public revenue - tax and non-tax revenue – direct and indirect taxes – major direct and indirect taxes in India - public debt and public expenditure – budget – types - fiscal deficit - revenue deficit - trade cycle and its phases - fiscal and monetary policies as tools for combating inflation and deflation. (16 Hrs)

Module III: Financial System and International Trade

Money and its functions – Negotiable and non-negotiable instruments – cheques – drafts - bills of exchange – promissory notes- letter of credit - certificate of deposits – commercial papers - banking and non-banking institutions - commercial banks – recent trends in Indian commercial banking – (Core Banking, Internet Banking, Mobile Banking, ATM/Debit & Credit Cards) - RBI – functions - money and capital market – major financial instruments – shares, debentures and bonds – Insurance: meaning, nature and types - stock exchange – BSE, NSE – stock market indices – SEBI - mutual funds.

Terms of trade - balance of trade - balance of payments - measures of correction - foreign exchange - exchange rate – spot – forward – fixed – floating - IMF, World Bank – WTO. (25 Hrs)

Module IV: Indian Economic Development

An overview of Planning in India - Planning Commission – Finance Commission - current Five Year Plan – Green revolution – changing pattern of India's industrialisation - Liberalization - Privatization - Globalization (LPG) – Major features of population in India and Kerala - Kerala model of development (15 Hrs)

Readings

1. R.R. Paul (2008), *Monetary Economics*, Kalyani Publishers, Ludhiana
2. V.K. Bhalla (2008), *Investment Management*, S. Chand & Co., New Delhi.
3. Robert S. Pindyck et al., (recent edition) *Micro Economics*, Pearson Education, Delhi.
4. Bo Sodersten & Reed Dominic, *International Economics*, palgrave mcmillan
5. Samuelson (2009), *Economics*, Tata McGraw Hill, New Delhi.
6. Gaurav Datt & Ashwani Mahajan, (recent edition) *Datt & Sundharam Indian Economy*, S. Chand & Co., New Delhi (recent edition)
7. Alwin Prakash, *Kerala's Economic Development* (2004), Sage Publications, New Delhi.
8. Meera Bai M. (ed) (2008), *Kerala Economy*, Serials Publication, New Delhi.

Semester V

Open Course 3 – Agricultural Economics (EC5D03U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

The course on Agricultural Economics highlights important aspects of agricultural development and planning in India. Importance of agriculture in the Indian economy hardly needs to be emphasized.

Module I

Nature and scope of Agricultural and Rural Economics. Traditional agriculture and its modernization. Role of agriculture in economic development - interdependence between agriculture and industry, agricultural development, poverty and environment, land size-productivity debate. 12 hrs

Module II

Agriculture: Rashtriya Krishi Vikas Yojana (RKVY) – Technology Mission on oil seeds, pulses and maize – Horticulture – Animal Husbandry – Livestock – Dairy development - Fisheries – Bee keeping in India – Sericulture. 20 hrs

Module III

Changes in agrarian structure – output growth in India – planning for agricultural growth. Agricultural mechanization. Agricultural credit- agricultural marketing – price intervention in agricultural markets. WTO and agriculture. Food security in India in the context of trade liberalization. The need for Second Green revolution. The condition of Indian farmers – socio-economic conditions of agricultural labourers- New direction for agricultural regeneration – agricultural legislation. 20 hrs

Module IV

Evolution of Indian Agricultural Research System – agriculture and environment – cropping pattern – marketing and trading – farm management – agricultural extension. Field crops- oil seeds and commercial crops. Intellectual property rights – informatics in agriculture. 20 hrs

Readings

Module I

1. American Economic Association: Readings in the Economics of Agriculture.
2. Sadhu and Singh (2008), Fundamentals of Agricultural Economics, Himalaya Publishing House, Mumbai
3. Schultz, Theodore, W. (1964): Transforming Traditional Agriculture, Yale University Press, New Haven.

Module II

1. Govt. of India, Publication Division, New Delhi: India 2009 - Chapter 4.
2. Hamilton, The Hive and the Honey Bee, Dadant Publications, Delhi
3. Sardar Singh: Bee keeping in India, ICAR, New Delhi,
4. Johl S.S. and Kapur (2007), Fundamentals of Farm Business Management, Kalyani Publications, Ludhiana

Module III

1. Bhalla, G.S. (2007): Indian Agriculture Science Independence, National Book Trust, India, New Delhi.
2. R.N. Soni, Leading Issues in Agricultural Economics, Vishal Publications, Jalandhar.

Module IV

1. ICAR, New Delhi (2006): Hand Book of Agriculture – Chapter 1, 3, 17, 28, 30, 32, 33, 34, 40 and 42.
2. R.N. Soni, Leading Issues in Agricultural Economics, Vishal Publications, Jalandhar.

Website :

- ❖ Agricultural Network Information Centre – <http://www.agric.org>
- ❖ Agricultural Statistics – <http://www.ufda.gov/nass/pub/ag.stats/htm>

Semester V

Open Course 4 – Demography (EC5D04U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives:

This course aims at familiarizing the students the interrelationship between economic development and population along with an exposition of the established theories of population.

Module I:

Meaning – Scope - Nature of study - Demography and population studies- Importance of Demography -Preliminaries of Demography- Population- Cohorts. Events- Demographic Process-Basic measures- Radix- Person years- Demographic data - Vital events - Population Pyramid - Size - Distribution -Structure (Age and Sex) and Characteristics of Population. (16 Hrs)

Module II:

Theories of population-Malthusian Theory of Population, Karl Marx's Theory of Surplus Population - Leibenstein's Motivational Theory of population-Optimum Theory of Population—The theory of Demographic Transition - younging & ageing of population - population growth and economic development. (16 Hrs)

Module III:

Determinants of population growth: fertility - Concept and measures - Factors affecting fertility - Mortality concept and measures - Live birth - Foetal death - Neonatal mortality – perinatal mortality - infant mortality - causes of high infant mortality rate in developing countries (with special reference to India & Kerala). Migration – meaning – types - push and pull factors of migration - impact of migration on Indian Economy - Nuptiality (marriage) - concept and measure - age at marriage - singulate mean age at marriage-marital dissolution - divorce - widowhood. (30 Hrs)

Module IV:

World population trends - recent trends in demographic features of India & Kerala – India's population transition and population policy of India. (10 Hrs)

Basic Readings

1. Donald. J. Bogue, Principles of Demography, John Wiley, New York.
2. Asha Bhende, Tara Kanitkar (2008), Principles of Population Studies, Himalaya Publishing House, Mumbai.
3. Rajendra K. Sharma, Demography and Population Problems, Atlantic Publishers, New Delhi.
4. V.B. Jugale, Demography- Economic Inequality, Women and Other Essays, Serials Publication, New Delhi.
5. R. Ramkumar, Y.S. Goyal, Technical Demography, New Age, New Delhi.

Open Course - 5

Business Economics (EC5D05U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

To acquaint the students the basic micro and macro economic concepts relevant for business decisions.

Module I - An Overview of Business Economics

Definition of Business/Managerial Economics – objectives – scope – decision making -Demand analysis: meaning and determinants of demand – law of demand - utility analysis of demand - elasticity of demand - price, income, cross and advertisement - uses of elasticity in business decisions - demand estimation and forecasting methods.

(20 Hrs)

Module II - Production and Cost Analysis

Production function - laws of production - law of variable proportions - laws of returns to scale - economies and diseconomies of scale - isoquant- optimum input combinations- laws of returns and business decisions- cost concepts and classification-cost-output relationship-determination of cost – break-even analysis -Objectives of the Firm: managerial and behavioural theories.

(20 Hrs)

Module III - Pricing and Profit:

Market and its classification- price and output determination under perfect competition and monopoly, monopolistic competition and oligopoly- Pricing policies and practices - penetrating and skimming pricing – cost plus pricing- pricing of new products- Profit: nature-accounting and economic profit- -.

(18 Hrs)

Module IV - Investment Decisions and Business Cycles

Capital budgeting: meaning and need - demand for capital - methods of investment criteria (payback period, average rate of return method - discounted cash flow – NPV – profitability – IRR) – Cost of capital . Business cycles –meaning and phases -business forecasting - uses of business cycles in business decisions – International trade – Balance of payments – foreign exchange rate determination.

(14 Hrs)

Readings

1. Dominick Salvatore (2008), *Managerial Economics: Worldwide Application*, Oxford University Press, New Delhi.
2. Nellis and Parker (2006), *Principles of Business Economics*, Pearson Education, New Delhi.

3. H.L. Ahuja (2008), *Business Economics*, S. Chand & Co., New Delhi.
4. P.L. Mehta (2008), *Managerial Economics*, Sultan Chand & Sons, New Delhi.
5. Varshney, (recent edition) *Managerial Economics*, Sultan Chand & Sons, New Delhi

Complementary Course 6
Course 1. Mathematical Economics

No. of Credits - 4

No. of Contact hours – 108

Learning Objectives

Economics has increasingly become the most scientific of all social sciences these days. An important reason for this is that most economic analysis and theorizing are easily amenable to mathematical tools and techniques. The student is exposed to economic concepts in mathematical format through simple illustration and prepares the ground for more scientific study.

Module I – Quantitative Methods

Variables, constants, parameters, simple functional relationship and their graphs, elementary ideas of differential and integral calculus, matrix, and determinants, solutions to simultaneous equations, quadratic equations, difference and differential equations. (28 Hrs)

Module II – Demand and Supply Analysis

Concepts of demand – demand function – elasticity of demand-elasticity of substitution-relation between elasticity of demand, price, average revenue and total revenue. (20 Hrs)

Module III – Consumer Behaviour

Concept of utility- Cardinal and ordinal utility- Budget constraint and equilibrium of consumer - income and substitution effects of a price change – Slutsky equation. (30 hrs)

Module IV - Production Function

Output and input relation – total, average, marginal products in case of production with single variable input – product isoquants and economic region of production- returns to scale – Linearly homogenous production function and its properties – Euler’s theorem and its application in various standard production functions. (30 hrs.)

Readings

1. Allen, R.G.D (1974) *Mathematical Analysis for Economics*, McMillan Press, London. (reprint edition)
2. Chiang, A.C., *Fundamental Methods of Mathematical Economics*, McGraw Hill, New Delhi (recent edition).
3. Henderson, J. and R.E. Quandt (1980) *Micro Economic Theory: A Mathematical Approach*, McGraw Hill, New Delhi
4. Handy, S.T (1997) *Operations Research: Prentice-Hall of Indian, New Delhi.*
5. Jeffrey Baldani et al. (2009), *An Introduction to Mathematical Economics*, Cengage Learning, Delhi.

Complementary Course 6

Course 2. Mathematics for Economic Analysis

No. of Credits - 4

No. of Contact hours – 108

Learning Objectives

This course is designed to equip the students to understand the economic concepts and theories which use mathematical tools and techniques to refine the verbal logic.

Module I

Market structure: Price determination in perfect competition, monopoly, duopoly and oligopoly - production cost - optimum combination of inputs – profit maximization. (34 Hrs)

Module II - Internal Consistency and Optimization

Input-output analysis – Leontief’s static and dynamic model – application – linear programming- programming problem- graphic solution - simplex method. (40 Hrs)

Module III - Game Theory

Introduction and concepts-simple and mixed strategy-saddle point solution-Prisoner’s dilemma – Payoff matrix of a game-two-person-two-commodity-and zero –sum-game. (34 Hrs)

Readings

1. Allen, R.G.D (1974) *Mathematical Analysis for Economics*, McMillan Press, London.(reprint edition)
2. Chiang, A.C., *Fundamental Methods of Mathematical Economics*, McGraw Hill, New Delhi (recent edition).
3. Henderson, J. and R.E. Quandt (1980) *Micro Economic Theory: A Mathematical Approach*, McGraw Hill, New Delhi
4. Handy, S.T (1997) *Operations Research*, Prentice-Hall of India, New Delhi.
5. Jeffrey Baldani et al. (2009), *An Introduction to Mathematical Economics*, Cengage Learning, Delhi.

Core - Choice Based Courses**1. Outline of Economic Thought (EC6B14.1U)****No. of Credits - 4****No. of Contact hours – 72****Learning Objectives**

This course is essential for a student who aspires for advanced training in Economics. Economic ideas did not evolve in isolation, but were an integral and important part of the evolution of modern social thought. This helps the students to have an idea about the growth of the Science of Economics.

Module I: Ancient and Medieval Economic Thought

Hebrew, Greek and Roman economic thought –mercantilism and physiocracy - Thomas Mun – Quesnay and Turgot. (12 Hrs)

Module II: Classical Economic Thought

Adam Smith, Ricardo, Malthus, J.B. Say and J.S. Mill – Critics of classicism: Nationalist and Historical critics. (18 Hrs)

Module III: Socialist Economic Thoughts:

Economic thought of Karl Marx – dynamics of social change – theory of value – surplus value – profit and crisis in capitalism – Friedrich Engels – Lenin: Imperialism – Democratic socialism. (18 Hrs)

Module IV: Modern Economic Thought

Marginal Revolution: Gossen, Jevons, Walras and Menger- Fisher – Marshall and Pigou. Economic ideas of Keynes – Post Keynesian developments: Milton Friedman, Schumpeter and Samuelson

Indian Economic Thought: Kautilya- Naoroji- Ranade, Gandhiji and Amartya Sen. (24 Hrs)

Readings

1. Eric Roll (1975), *A History of Economic Thought*, Oxford University Press, New Delhi
2. Blaug M. (2004) *Economic Theory in Retrospect*, Cambridge University Press
3. Ingrid H. Rima (2009), *Development of Economic Analysis*, Routledge.
4. Bhatia (2006), *History of Economic Thought*, Vikas Publications, New Delhi
5. Kautilya, *The Arthashastra*, Penguin Books, Delhi.
6. Hajela T.N. (2008), *History of Economic Thought*, Ane Books India, New Delhi

Semester VI

Core - Choice Based

2. Human Resource Management (EC6B14.2U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

1. Give the students an overview of Human Resource Management.
2. To impart knowledge of policies, procedures and techniques of human resource planning.

Module I: Importance of Human Resource Management - evolution of HRM - changing environment and work ethics- human resource management departments and their tasks - jobs and careers – professional activities - training and development. (15 Hrs)

Module II: Human Resource planning - models for HR planning - determining requirements - forecasting demand for labour- human resource availabilities - gaps - planning for shortages – planning for surplus. (15 Hrs)

Module III: Individuals and jobs – employee ability- job analysis - rewards - work motivation - motivational processes – employee participation - prestige and morale-measurement and improvement of morale - Employee performance - elements of performance appraisal - error identification and reduction – job satisfaction - attendance and retention. (22 Hrs)

Module IV: Compensation policy - pay and benefits - promotion and transfer of employees - service conditions - protection and safeguards of civil servants - developing a pay structure – job hierarchies - equality criterion - job evaluation - Recruitments and selection – placement – induction - methods of recruitment (20 Hrs)

Readings

1. Dessler, *Human Resource Management*, 11th edition, Pearson Education, Delhi
2. Biswanath Ghosh, *Human Resource Development and Management*, Vikas Publishing House, Delhi
3. Anuradha Sharma & Aradhana Khandekar (2006), *Strategic Human Resource Management*, Response Books, New Delhi
4. Bohlander and Shell (2007), *Human Resource Management*, Cengage Learning, Delhi.
5. Aswathappa, *Human Resource and Personnel Management*, 3rd edition, Tata McGraw Hill, Delhi

Semester VI

Core - Choice Based

3. Marketing Management (EC6B14.3U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

1. To impart knowledge in various aspects of marketing and acquaint the students with the applied problems of marketing with special reference to India.
2. To familiarize the students the different channels of distribution and the promotion mix

Module I: Understanding Marketing Management: Nature and scope of marketing- marketing management - evolution of marketing concept - holistic marketing – market segmentation – differentiation - targeting-positioning - marketing and economic development - Marketing mix: Meaning and importance- product planning and development - PLC – product mix - branding - brand equity – packaging – labelling - marketing of services. (25 Hrs)

Module II: Consumer Behaviour: Meaning and factors influencing consumer behaviour - buying motives – buyer decision process - business buying behaviour - customer value and customer satisfaction-customer retention- customer relationship marketing. (15 Hrs)

Module III: Pricing and channels of distribution – pricing objectives – policies and strategies in pricing – new product pricing strategies - channels of distribution – levels of channels– types of middle men – direct marketing. (15 Hrs)

Module IV: Marketing Promotion and Marketing Research: Promotion mix – personal selling and sales management – sales promotion – Advertising: importance – steps in advertising – objectives – budget – media – Marketing research – objectives – steps – modern methods – limitations – Marketing Information System (17 Hrs)

Readings

1. Kotler, Kevin, Jha & Koshi (2009), *Marketing Management*, Pearson Education, Delhi
2. William J Stanton et al (2007), *Marketing*, McGraw Hill Publishing Company pvt Ltd, Delhi
3. Mathew Emmanuel (2008), *Marketing Management*, DC Books, Kottayam.
4. Ramaswamy & Namakumari (2009), *Marketing Management*, Macmillan India Ltd, Delhi

Semester VI**Core - Choice Based****4. Entrepreneurship and Small Business Economics (EC6B14.4U)****No. of Credits - 4****No. of Contact hours – 72****Learning Objectives:**

1. To highlight the significance of entrepreneurship and to provide an insight into the economics of entrepreneurial development
2. To prepare a ground where the students view entrepreneurship as a desirable and feasible career option.

Module I. Entrepreneurial Development: Emergence of entrepreneurship - Entrepreneurship and economic development - entrepreneurial skills and motivation - factors affecting entrepreneurial growth - obstacles to entrepreneurship in India – women entrepreneurship - Entrepreneurship Development Programme – EDII. (20 Hrs)

Module II. Theories of Entrepreneurship - economic theories - sociological and psychological theories - starting a new venture - project identification – project formulation - feasibility analysis – net work analysis - project planning – project life cycle - project report - project appraisal (20 Hrs)

Module III: Small Business Sector in India: Setting up of micro, small and medium enterprises – planning and organizing small business – relationship between large and small business – subcontracting -cluster approach - institutional support to SME sector. (18 Hrs)

Module IV: Features of Management – levels of management-functions of management-quality circle and total quality management-role of creativity and innovation – entrepreneurial opportunities in contemporary business environment (opportunities in network marketing, franchising, business process outsourcing) (14 Hrs)

Readings

1. Peter Drucker (1985), *Innovation and Entrepreneurship*, Harper – Business, New York.
2. Vasanth Desai (2008), *Small Scale Industries and Entrepreneurship*, Himalaya Publishing House, Mumbai.
3. Thomas W. Zimmer & Norman N Scarborough (2008) *Essentials of Entrepreneurship and Small Business Management*, Pearson Education, New Delhi.
4. Roy (2008), *Entrepreneurship*, Oxford University Press, New Delhi.
5. P. Charantimath (2008) *Entrepreneurship and Small Business Enterprise*, Pearson Education, New Delhi.
6. Simon Bridge et al. (2003), *Understanding Enterprise, Entrepreneurship and Small Business*, palgrave macmillan.

Semester VI**Core - Choice based****5. Travel and Tourism Management (EC6B14.5U)****No. of Credits - 4****No. of Contact hours – 72****Learning Objective**

The objective of this application course is to familiarize the students with a brief background of tourism development with special reference to India. This would give them a comprehensive idea of the economics of travel and tourism as well.

Module I: Tourism: Concept and perspective - tourism and the economy - Structure of tourism industry – economic impact of tourism - multiplier effect as applied to tourism sector – leakages - tourism product (sustainable tourism, cultural tourism, adventure tourism, health tourism, beach tourism, festival tourism, conventions and conferences) – seasonality of tourism (20 Hrs)

Module II: Travel Management: air, road, rail and sea - travel arrangements - travel organizations: national and international – ITDC - state tourism bodies like TAAI, tour operators association, IATA, World Tourism Organization, travel agency and tour operator, - accommodation and basics of ticketing. (18 Hrs)

Module III: Tourism Marketing: Principles of marketing- how tourism marketing is different from marketing of other products- how to market the tourism products –advertising and public relations – tourism and changing communication technology- information technology and hospitality/ travel agency business (18 Hrs)

Module IV: Emerging Dimensions: changing concepts of effective tourism development - open sky policy - destination development and HR management - liberalization in customs and transport formalities- group tours- advantages and evils of tourism - Kerala – a tourist destination (16 Hrs)

Readings

1. Roy A Cook et al (2007) *Tourism: The Business of Travel*, Pearson education, New Delhi
2. Bhatia A.K. (2001), *Tourism Development: Principles and Practices*, Sterling Publishers, New Delhi
3. Sunetra Roday et al (2009) *Tourism: Operations and Management*, OUP Delhi
4. Sipra Mukhopadhyay(2007), *Tourism Economics*, Ane Books India, New Delhi
5. Government of Kerala, *Kerala: an authentic Handbooks*, Public Relations Department, Trivandrum
6. Pender (2004), *The Management of Tourism*, Sage Publications, London.

Semester VI**Core - Choice Based****6 . Econometric Methods (EC6B14.6U)****No. of Credits - 4****No. of Contact hours – 72****Learning Objectives**

Students graduating in Economics are expected to know the basic concepts and applications of Econometrics. Econometric methods have proved particularly useful for understanding the inter-relationships among econometric variables.

Module I: Introduction: Definition and Scope of Econometrics- the methodology of econometric research - basic concepts of estimation - properties of estimation - properties of estimators – unbiasedness - efficiency, consistency and sufficiency. (17 Hrs)

Module II: Simple Regression Model:- Correlation and regression - estimation of an equation - theoretical distributions and application of binomial, Poisson and normal (15 Hrs)

Module III: Estimation and Testing: OLS method- assumptions- Gauss - Markov theorem - testing of hypothesis - type I and Type II errors - Standard errors - Tests based on 't' -chi-square statistics. (15 Hrs)

Module IV: Lag Models and Dummy Variable: Lag in econometric models- concepts – Koyek model - partial adjustment and adaptive expectation models - summary variables - qualitative data-seasonal analysis- use of dummy variables for pooled data - proxy variable - concept and uses – Application of econometric methods - estimation of demand and supply functions, production and cost functions – consumption and investment functions (25 Hrs)

Readings

1. D. Gujarati (2007) *Basic Econometrics*, Tata McGraw Hill
2. W. Stock (2007) *Introduction to Econometrics*, Pearson education
3. Dilip M. Nachane (2006) *Econometrics*, Oxford University Press, New Delhi
4. Jeffrey Wooldridge (2009), *Econometrics*, Cengage Learning, Delhi.

Semester VI

Core - Choice Based

7 . Informatics (EC6B14.7U)

No. of Credits - 4

No. of Contact hours – 72

Learning Objectives

To update and expand basic informatics skills and attitudes relevant to the emerging knowledge society and also to equip the students to effectively utilize the digital knowledge resources for their chosen courses of study.

Module I – An Overview of Information Technology

Features of the modern personal computer and peripherals, computer networks & Internet, wireless technology, cellular wireless networks, introduction to mobile phone technology, introduction to ATM, purchase of technology, License, Guarantee, Warranty, overview of Operating Systems & major application software

Module II - Knowledge Skills for Higher Education

Data, information and knowledge, knowledge management- Internet access methods - Dial-up, DSL, Cable, ISDN, Wi-Fi - Internet as a knowledge repository, academic search techniques, creating cyber presence, case study of academic websites, open access initiatives, open access publishing models. Basic concepts of IPR, copyrights and patents, plagiarism, introduction to the use of IT in teaching and learning, case study of educational software, academic services- INFLIBNET, NICNET, BRNET.

Module III – Social Informatics

IT & Society- issues and concerns- digital divide, IT & development, the free software movement, IT industry: new opportunities and new threats, software piracy, cyber ethics, cyber crime, cyber threats, cyber security, privacy issues, cyber laws, cyber addictions, information overload, health issues- guide lines for proper usage of computers, internet and mobile phones, e-wastes and green computing, impact of IT on language & culture-localization issues- Unicode - IT and regional languages

Module IV - IT Applications

e-Governance applications at national and state level, IT for national integration, overview of IT application in medicine, healthcare, business, commerce, industry, defense, law, crime detection, publishing, communication, resource management, weather forecasting, education, film and media, IT in service of disabled, futuristic IT- Artificial Intelligence, Virtual Reality, Bio-Computing.

Essential Readings

- *Alan Evans, Kendal Martin et.al. Informatics: Technology in Action*, Pearson Education, Delhi.
- *V. Rajaraman*, Introduction to Information Technology, Prentice Hall
- *Alexis Leon & Mathews Leon, Computers Today*, Leon Vikas.
- *Peter Norton*, Introduction to Computers, 6e (Indian Adapted Edition).

Additional References

- Greg Perry, SAMS Teach Yourself Open Office.org, SAMS,
- Alexis & Mathews Leon, *Fundamentals of Information Technology*, Leon Vikas
- George Beekman, Eugene Rathswohl, Computer Confluence, Pearson Education,
- Barbara Wilson, Information Technology: The Basics, Thomson Learning
- JohnRay, 10 Minute Guide to Linux, PHI, ISBN 81-203-1549-9
- Ramesh Bangia, *Learning Computer Fundamentals*, Khanna Book Publishers

Web Resources:

- www.fgcu.edu/support/office2000
- www.openoffice.org *Open Office Official web site*
- www.microsoft.com/office *MS Office web site*
- www.lgta.org *Office on-line lessons*
- www.learnthenetcom *Web Primer*
- www.computer.org/history/timeline
- www.computerhistory.org
- <http://computer.howstuffworks.com>

Complementary Courses (Economics) for other BA Programmes

Course I – Principles of Economics (EC1C01U / EC3C03U)

No. of credits – 4

No . of contact hours -108

Learning Objectives

- Help the students to learn to apply the basic principles and concepts of Economics to every day issues.
- Help the students to imbibe and appreciate the interrelationship among the members of the society.

Module I - Nature and Scope of Economics

Definitions: Wealth, Welfare, Scarcity and Growth -
Methodology of Economics - Economics and other social sciences -
Significance of Economics - Micro Economics and Macro Economics -
Normative and Positive Economics (12 hrs.)

Module II - Economy and the Central problems

The problem of scarcity and choice-allocation- growth and fuller utilization of resources - production possibilities and technological choice. Basic features of prevalent economic systems- capitalism, socialism, mixed economy – Marxian economic thought, Gandhian economic principles. (24 hrs.)

Module III - Prices and Markets

Market - types - local, regional, national, international markets. Demand – Individual demand and market demand - Demand curve- Law of demand – Exceptions to the Law of Demand – Law of Supply – Individual supply and market supply – Market equilibrium - shift in demand, supply and price – Elasticity of demand – meaning, degrees, measurement and practical uses of elasticity of demand. (30 hrs.)

Module IV - Consumer Behaviour

Consumption - consumer – meaning - Utility – Cardinal and Ordinal – Law of Diminishing Marginal Utility. Law of Equi-marginal Utility – consumers surplus - rights of a consumer. (20 hrs.)

Module V - Production, Product Pricing and Distribution

Production – basic concepts of costs – opportunity cost - Production function – Short run and Long run – Law of variable proportions and Laws of returns to scale - economies and diseconomies of scale - internal and external economies.

Main market forms - Perfect Competition, Monopoly, Monopolistic competition: Price and output determination under Perfect Competition and Monopoly - Oligopoly (features only).
Distribution - General Theory of Distribution. 22 hrs.

Readings

1. Samuelson. P.A. Nordhaus (2009), *Economics*, Tata McGraw Hill
2. Mankiw, Gregory (recent edition), *Principles of Economics*, Cengage Learning, Delhi
3. Case & Fair (2007), *Principles of Economics*, Pearson Education, Delhi
4. K.K. Dewett (recent edition), *Modern Economic Theory*, S. Chand & Co., Delhi.

Course II - Basic Economic Studies (EC2C02U / EC4C04U)

No. of Credits – 4

No. of contact hours – 108

Learning Objectives

The course intends to make the UG students equipped with essential understanding in public finance, international economic issues, monetary economics, banking, national income, general issues of Indian economy and Kerala economy so that they shall be capable of realizing and solving common economic issues in the society.

Module I - Public Economics and International Trade

Meaning - scope - private finance and public finance - sources of public revenue, taxation - structure of taxation with special reference to India, public expenditure, public debt, fiscal policy, budget - meaning, objectives and instruments of fiscal policy.

Balance of trade and balance of payments - World Bank – IMF – WTO - Trade liberalization - global economic issues. (40 hrs)

Module II - Money and Banking

Money - Meaning and Functions - Functions of Commercial banks and Central Bank – repo rate, reverse repo rate – SLR - Monetary policy - meaning, objectives and instruments. Inflation - meaning, causes and remedies. Capital market-meaning- stocks, shares, debentures, equities - stock exchanges – Insurance - types. (20 hrs.)

Module III - National Income

Major concepts of National Income - Methods of calculating N.I - Product method - Income method, expenditure and combined methods – Difficulties in the estimation. (18 hrs.)

Module IV – Introduction to the Indian Economy

Features of the Indian economy – strategy of development - economic planning in India - achievements and shortfalls – Indian money market – emerging trends in commercial banking - Special Economic Zones (SEZ). (15 hrs.)

Module V - Basic Economic Issues of Kerala

Features of Kerala economy - structural changes – self-reliance and self-help groups (SHGs) - Kerala model of development - impact of migration on Kerala economy. (15 hrs.)

Readings

1. Samuelson. P.A., Nordhaus (2009), *Economics*, Tata McGraw Hill
2. Mankiw, Gregory, *Principles of Economics*, Cengage Learning, Delhi
3. Gaurav Datt and Ashwani Mahajan (recent edition) *Datt & Sundharam Indian Economy*, S. Chand & Co., Delhi
4. Dewett K.K. (recent edition) *Modern Economic Theory*, S. Chand & Co. New Delhi
5. K. Rajan (2009), *Kerala Economy Serials Publication*, New Delhi.
6. Meera Bai M. (ed) (2008), *Kerala Economy*, Serials Publication, New Delhi.

**BA ECONOMICS PROGRAMME
(VOCATIONAL)**

Model - II

**ECONOMICS, PRINCIPLES AND PRACTICES OF
INSURANCE AND COMPUTER APPLICATIONS**

VOCATIONAL - Model – II**Course Design**

The course comprises of six semesters, each semester having a duration of 18 weeks. The break up of courses, work load and the mode of evaluation are as follows.

Courses	Nos.	Hrs	Weight		Total
			IA	EA	
1. Common Courses	6	540	1	3	4
2. Core Courses	11	1008	1	3	4
3. Complementary Courses	4	360	1	3	4
4. Open Course	1	72	1	3	4
5. Vocational Courses	8	720	1	3	4
Total	30	2700			

B.A. Economics Programme – Model - II
Common, Core, Vocational, Complementary & Choice-Based Courses

Sem.	Common / Complementary / Vocational / Core Papers	Exam	No. of hrs/ week	No. of cred- its	Credits cumu- lated	Total hrs/ sem.	Uty. Exam dur- ation	Weightage	
								IA	EA
S1	Common Course 1 1. First Language	S1	5	4	4	90	3 hrs	1	3
	Common Course 2 2. Second Language	S1	5	4	8	90	3 hrs	1	3
	3. Core 1 Methodology of Social Sciences with Special Reference to Economics (EC1VB01U)	S1	5	4	12	90	3 hrs	1	3
	4. Core 2 – Principles of Micro Economics (EC1VB02U)	S1	5	4	16	90	3 hrs	1	3
	5. Complementary 1 Introduction to Computers – Theory (EC1VC01U)	S1	3	3	19	54	3 hrs	1	3
	Introduction to Computers - Lab	S1	2	1	20	36	-	-	-
S2	Common Course 3 6. First Language	S2	5	4	24	90	3 hrs	1	3
	Common Course 4 7. Second Language	S2	5	4	28	90	3 hrs	1	3
	8. Core 3: Micro Economic Analysis (EC2VB03U)	S2	5	4	32	90	3 hrs	1	3
	9. Core 4: Develop- ment and Environ- mental Economics (EC2VB04U)	S2	5	4	36	90	3 hrs	3	3
	10. Complementary 2 MS-Office Packages – Theory (EC2VC02U)	S2	3	3	39	54	3 hrs	1	3
	MS-Office Packages – Lab	S2	2	1	40	36	-	-	-
S3	Common Course 5 11. First Language	S3	5	4	44	90	3 hrs	1	3

	12. Core 5: Quantitative Techniques for Economic Analysis (EC3VB05U)	S3	5	4	48	90	3 hrs	1	3
	13. Core 6: Principles of Macro Economics (EC3VB06U)	S3	5	4	52	90	3 hrs	1	3
	14. Compl. 3: Database concepts & MS-Access – Theory (EC3VC03U)	S3	3	3	55	54	3 hrs	1	3
	Database concepts & MS-Access - Lab	S3	2	1	56	36	-	-	-
	15. Vocational 1: Fundamentals and Principles of Foreign Trade / Actuarial Science and the Economics of Insurance (EC3V01U)	S3	5	4	60	90	3 hrs	1	3
S4	16. Common Course6 – First Language	S4	5	4	64	90	3 hrs	1	3
	17. Core 7: Quantitative Economics (EC4VB07U)	S4	5	4	68	90	3 hrs	1	3
	18. Core 8: Macro Economic Analysis (EC4VB08U)	S4	5	4	72	90	3 hrs	1	3
	19. Compl. 4: Visual programming techniques – Theory (EC4VC04U)	S4	3	3	75	54	3 hrs	1	3
	Visual programming techniques - Lab	S4	2	1	76	34	-	-	-
	20. Vocational 2 India's Foreign Trade/ Life Insurance (EC4V02U)	S4	5	4	80	90	3 hrs	1	3
S5	21. Open Course* (EC5VD01U)	S5	4	4	84	72	3 hrs	1	3
	22. Core 9: Public Economics (EC5VB09U)	S5	6	4	88	108	3 hrs	1	3

* One course to be selected from the list of Open Courses.

The Board of Studies in Economics (UG), Mahatma Gandhi University, Kottayam

	23. Vocational 3: International Business / General Insurance (EC5V03U)	S5	5	4	92	90	3 hrs	1	3
	24. Vocational 4: International Marketing / Fire Insurance (EC5V04U)	S5	5	4	96	90	3 hrs	1	3
	25. Vocational 5: Foreign Trade Financing and Procedures / Marine Insurance (EC5V05U)	S5	5	4	100	90	3 hrs	1	3
S6	26. Core 10: Development Issues of Indian Economy (EC6VB10U)	S6	5	4	104	90	3 hrs	1	3
	27. Core 11: Choice Based Course** (Common to Model I and II) (EC6VB11U)	S6	5	4	108	90	3 hrs	1	3
	28. Vocational 6: Foreign Trade Documentation and Procedures / Legal and Regulatory Aspects of Insurance (EC6V06U)	S6	5	4	112	90	3 hrs	1	3
	29. Vocational 7: Shipping and Insurance Practices and Procedures / Property and Liability Insurance (EC6V07U)	S6	5	4	116	90	3 hrs	1	3
	30. Vocational 8. Entrepreneurship and Small Business Economics (EC6V08U)	S6	5	3	119	90	3 hrs	1	3
	31. On the job Training Project	S6	-	1	120	-	-	7	3

* EC1 – Economics Semester 1, VC – Complementary Model – II,
U – Undergraduate Programme, V – Vocational Course.

** One course to be selected from the list of Core-Choice Based, except
Entrepreneurship and Small Business Economics (EC6B14.4U).

Vocational Course – I

Actuarial Science and the Economics of Insurance

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

This course attempts to give the meaning, history and importance of Actuarial Science and the economic overview of insurance to the students of Economics.

Module I – Actuarial Science

Meaning - scope – history and importance – areas of application of actuarial science – frame work for setting assumptions – factors influencing mortality assumptions for a new insurance product – paradigm shift in the insurance industry.

(15 hrs)

Module II – Economic Overview of Insurance

Risk and Insurance – demand for insurance – elasticity of demand for insurance – price – income – cross elasticity. Supply of insurance – pricing of insurance – economic and social benefits of insurance – social cost of insurance – factors affecting insurance consumption.

(25 hrs.)

Module III – Risk Management

Risk and uncertainty – need for security against economic difficulties - Risk management process – risk management and insurance (loss, permit, risk, hazard / types etc.) – risk management of life insurance companies – insurance company operations.

(30 hrs.)

Module IV – Organisational Structure and Product Development

Types of organisational structure – departmentalisation – marketing strategies for insurance products – developing a marketing mix for insurance companies – product development process of insurance companies.

(20 hrs.)

Readings

1. K.C. Mishra and L.S. Kumar (2009), Elements of Actuarial Science, National Insurance Academy | Cengage Learning, New Delhi.
2. K.C. Mishra and Mangala Bakshi (2009), Insurance Business Environment and Insurance Company Operations, National Insurance Academy | Cengage Learning, New Delhi.
3. Rejda, Principles of Risk Management and Insurance, 9th Edition, Pearson Education.
4. M.N. Mishra | S.B. Mishra (2008), Insurance, Principles and Practice, S. Chand and Company, New Delhi.

5. P.K. Gupta (2008), Fundamentals of Insurance, Himalaya Publishing House, Mumbai.
6. Periasami P. (2008), Principles and Practice of Insurance, Himalaya Publishing House, Mumbai.
7. Tripathy and Pal (2005), Insurance: Theory and Practice, Prentice -Hall of India
8. Patukale (2009), Insurance for Everyone, Macmillan India Ltd
9. Palande, Insurance in India, Sage Publications, Delhi
10. Bodla (2008), Insurance Management, Deep & Deep Publications, Delhi

Vocational Course – II

Life Insurance

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

This course imparts general awareness on Life Insurance and helps to understand the essentials of life insurance contract.

Module I – Nature and Uses of Life Insurance

Concept of life insurance in ancient India - modern form of life insurance - regulation of life insurance business in India - Individual life insurance, Life insurance as a collateral, as a measure of financing business continuation, as a protection to property, as a measure of investment. (20 hrs)

Module II – Life Insurance Contract

Insurance as a contract, distinguishing characteristics, insurable interest, utmost good faith, caveat emptor, unilateral and all alleatory nature of contract - principle of indemnity- proposal and application form, doctrine of subrogation- warranties, medical examination, policy construction and delivery, nomination and assignment, lapse revival, surrender value, paid up policies, maturity, loan to policy holders, Methods of calculating economic risks in life insurance proposal – underwriting process - calculation of premium, distribution of surplus - basic elements in computation of life insurance premium.

(30 hrs.)

Module III – Life Insurance Policies

Types and their applicability in different situations – Important life insurance policies issued by the Life Insurance Corporation of India – Life Insurance activities – Group insurance - Important legal provisions and judicial pronouncement in India – general structure of a policy document. (25 hrs.)

Module IV – Life Insurance Salesmanship and Benefit Payment

Benefit payment guidelines - classification of benefit payment - essential qualities of an ideal insurance salesman, rules of agency, rules to canvas business from prospects – after sale service to policy holders. (15 hrs.)

Readings

1. K.C. Mishra | C.S. Kumar, Life Insurance: Principles and Practice, National Insurance Academy | Cengage Learning, New Delhi.
2. M.N. Mishra | S.B Mishra (2008), Insurance: Principles and Practice, S. Chand and Company, New Delhi.
3. Kenneth Black (2000), Life and Health Insurance, 13th Edition, Pearson Education.
4. Patukale (2009), Insurance for Everyone, Macmillan India Ltd.
5. Life Insurance Corporation of India, Try with Trust: The LIC Story
7. Tripathy and Pal (2005), Insurance: Theory and Practice, Prentice -Hall of India
8. Palande, Insurance in India, Sage Publications, Delhi
9. K.C. Mishra and R. Venugopal (2009), Life Insurance Underwriting, National Insurance Academy | Cengage Learning, New Delhi.

Vocational Course – III

General Insurance – An Overview

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

Insurance industry is an important constituent of financial services industry in India and is a major player in the capital market. The study of the subject 'General Insurance' gives the students a comprehensive view of the prominent segments of the insurance sector.

Module I – History of General Insurance

Growth of Insurance industry after Independence – Organisation setup, General Insurance Corporation and other insurance institutions - working of GIC in India- machinery of the insurance system – Malhotra Committee Report on Insurance Reforms, 1994 - regulations issued by the IRDA. (20 hrs)

Module II – Operation of the Insurance Business.

Insurance Contract Fundamentals – Insurance marketing - insurance loss payment – underwriting – rating – reinsurance and other functions (20 hrs.)

Module III – Health and Motor Insurance

Individual health insurance – growth in health insurance. Motor Insurance – basic principles – types of motor vehicles – types of policies – private car policy – commercial vehicles and other policies – underwriting aspects on damage claims – practice of motor insurance – legal aspects of motor insurance – motor vehicles act. (30 hrs.)

Module IV – Rural Insurance

Rural and Crop Insurance – Farmers package – Plantation Insurance – artisans – Micro and Medium scale enterprises – Live stock insurance: Cattle, Sheep, Goat, Poultry, Duck, Sericulture, Honey, Dog, Camel, Elephant, etc. – Hull Insurance. (20 hrs.)

Readings

1. K.C. Mishra | G.C. Thomas, General Insurance: Principles and Practice, National Insurance Academy | Cengage Learning, New Delhi.
2. M.N. Mishra | S.B Mishra (2008), Insurance: Principles and Practice, S. Chand and Company, New Delhi.
3. Kenneth Black (2000), Life and Health Insurance, 13th Edition, Pearson Education.

4. Periasami P. (2008), Principles and Practice of Insurance, Himalaya Publishing House, Mumbai.
5. Tripathy et al. (2009), General Insurance Business Operations and Decisions Making, National Insurance Academy | Cengage Learning, New Delhi.
6. P.K. Gupta (2008), Fundamentals of Insurance, Himalaya Publishing House, Mumbai.
7. Tripathy and Pal (2005), Insurance: Theory and Practice, Prentice-Hall of India.
8. Bodla, (2008), Insurance Management, Deep & Deep Publications, Delhi.

Vocational Course – IV

Fire Insurance

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

This course highlights the origin and nature of fire insurance and its policy conditions.

Module I – Introduction

History and origin of fire insurance – definition – causes of fire – prevention of loss – fire insurance contracts. (30 hrs)

Module II – Kinds of Fire Insurance Policies

Policy conditions – implied and express conditions – reinsurance – definition – advantages and methods. (20 hrs.)

Module III – Rate Fixation in Fire Insurance

Processes – principles of rate fixation – basis of tariff rates – payment of claim – claim procedure – Salvage corps – Average clause – pro-rata condition of Average. (20 hrs)

Module IV. Reinsurance: methods of reinsurance - progress of fire insurance - fire insurance underwriting. (20 hrs.)

Readings

1. K.C. Mishra | G.C. Thomas, General Insurance : Principles and Practice, National Insurance Academy | Cengage Learning, New Delhi.
2. M.N. Mishra | S.B Mishra (2008), Insurance: Principles and Practice, S. Chand and Company, New Delhi.
3. Godwen, Fire Insurance
4. P.K. Gupta (2008), Fundamentals of Insurance, Himalaya Publishing House, Mumbai.
5. Periasami P. (2008), Principles and Practice of Insurance, Himalaya Publishing House, Mumbai.
6. Tripathy and Pal (2005), Insurance: Theory and Practice, Prentice -Hall of India
7. Palande, Insurance in India, Sage Publications, Delhi
8. Bodla,(2008), Insurance Management, Deep & Deep Publications, Delhi
9. Tripathy et al. (2009), General Insurance Business Operations and Decisions Making, National Insurance Academy | Cengage Learning, New Delhi.
- 10.K.C. Mishra (2009), Practical Approach to General Insurance Underwriting, National Insurance Academy | Cengage Learning, New Delhi.

Vocational Course – V

Marine Insurance

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To familiarise the students with the nature of marine insurance contracts, policy conditions, premium calculation, payment of claims and the progress of marine insurance business in India.

Module I – Marine Insurance Contracts

Origin - growth – Basic elements – Marine Insurance business in India – Insurable interest, utmost good faith - implied warranties, policy document – types of marine insurance contracts - Freight, cargo and vessel. (25 hrs)

Module II – Marine Policies and Conditions

Classes of policies – policy conditions - procedure for preparation and presentation of claim – payment of compensation. (25 hrs.)

Module III – Marine Losses

Total loss, partial loss, particular average loss and general average loss, payment of Marine losses – procedure valuation of loss salvage, limit of liability, attachment and termination of risk. (35 hrs.)

Module IV – Marine Hull Insurance

Basics of marine hull insurance. (5 hrs)

Readings

1. K.C. Mishra | G.C. Thomas (2009), General Insurance : Principles and Practice, National Insurance Academy | Cengage Learning, New Delhi.
2. M.N. Mishra | S.B Mishra (2008), Insurance: Principles and Practice, S. Chand and Company, New Delhi.
3. P.K. Gupta (2008), Fundamentals of Insurance, Himalaya Publishing House, Mumbai.
4. Periasami P. (2008), Principles and Practice of Insurance, Himalaya Publishing House, Mumbai.
5. Rodder, Marine Insurance, Prentice Hall, New Jersey.
6. Patukale (2009), Insurance for Everyone, Macmillan India Ltd
7. Palande, Insurance in India, Sage Publications, Delhi
8. Bodla (2008), Insurance Management, Deep & Deep Publications, Delhi
9. Tripathy et al, (2009), General Insurance Business Operations and Decisions Making, National Insurance Academy | Cengage Learning, New Delhi.

Vocational Course – VI

Legal and Regulatory Aspects of Insurance

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

This course is primarily crafted to provide an insight into the realm of legal and regulatory aspects of insurance. It traces how insurance laws have evolved and why they have changed.

Module I – Insurance as a Contract – important features – basic principles of insurance – risk and insurance – types of risks – nature of handling risks. (15 hrs)

Module II – Insurance Act 1938: Important provisions – Insurance Association of India – Tariff Advisory Committee and Authority of Tariff Rates – Insurance Act 1938: suggested amendments by the Law Commission and K.P. Narasimhan Committee. (25 hrs.)

Module III – Insurance Company Formation: Stock and mutual companies – principal areas of regulations – Life Insurance Act 1956 – Marine Insurance Act 1963, General Insurance Act 1972. (20 hrs)

Module IV – Insurance Regulatory and Development Authority Act, 1999: Composition, powers, functions – duties of the IRDA – IRDA regulations – Licensing of Insurance agents – licensing of brokers – Registration of insurance companies – General insurance: Reinsurance - Life insurance: reinsurance – insurance surveyors and loss assessors – third party administrator – protection of policy holders' interest. (30 hrs.)

Readings

1. K.C. Mishra | Mangala Bakshi (2009), Legal and Regulatory Aspects of Insurance, National Insurance Academy | Cengage Learning, Delhi.
2. M.N. Mishra | S.B. Mishra (2008), Insurance: Principles and Practice, S. Chand and Company, New Delhi.
3. P.K. Gupta (2008), Fundamentals of Insurance, Himalaya Publishing House, Mumbai.
4. Periasami P. (2008), Principles and Practice of Insurance, Himalaya Publishing House, Mumbai.
5. K.C. Mishra | S.E. Thomas (2009), General Insurance: Principles and Practice, National Insurance Academy | Cengage Learning, Delhi.
6. K.C. Mishra | Mangla Bakshi (2009), Insurance Business Environment and Insurance Company Operations, National Insurance Academy | Cengage Learning, Delhi.
7. Patukale (2009), Insurance for Everyone, Macmillan India Ltd
8. Palande, Insurance in India, Sage Publications, Delhi

Vocational Course – VII
Property and Liability Insurance

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To create awareness among the students regarding the essentials of property and liability insurance.

Module I – Nature of Property and Liability Insurance

Types of liability insurance, specific and all risk insurance - valuation of risk – indemnity contracts and specific value contracts – Average and contribution – excess and short insurance careers – Reinsurance procedure for obtaining liability insurance – construction and issue of policy conditions – legal position of insurance agent. (30 hrs)

Module II – Types of Liability Insurance

Mandatory public liability insurance – Dwelling property losses – Business interruption and related losses – Theft insurance – Aviation insurance – personal and residential insurance – enterprises and industrial property insurance. (20 hrs.)

Module III – Insurance Problems of Institutions

Educational and religious institutions – hospitals – clubs and associations – professional package contracts – professional liability insurance – accountants liability insurance – Marketing and undertaking of liability insurance. (20 hrs.)

Module IV – Adjustment of Losses and Claims Compensation

Nature of losses and their adjustment – procedure of adjustment – Functions and responsibilities of adjuster's – survey of losses – procedure for preparing claims statements – Appointment and loss valuation - Liability policies by GIC of India. (20 hrs.)

Readings

1. Rodda, Property and liability Insurance, Prentice Hall, New Jersey.
2. Long and Crag: Property and Liability Insurance, Hand Book, Home Wood Richard D. Irwin.
3. M.N. Mishra | S.B Mishra (2008), Insurance: Principles and Practice, S. Chand and Company, New Delhi.
4. P.K. Gupta (2008), Fundamentals of Insurance, Himalaya Publishing House, Mumbai.
5. Periasami P. (2008), Principles and Practice of Insurance, Himalaya Publishing House, Mumbai.
6. K.C. Mishra | S.E. Thomas (2009), General Insurance: Principles and Practice, National Insurance Academy | Cengage Learning, Delhi.
7. Patukale (2009), Insurance for Everyone, Macmillan India Ltd
8. Palande, Insurance in India, Sage Publications, Delhi

Vocational Course – VIII

Entrepreneurship and Small Business Economics

No. of Credits - 4

No. of Contact hours – 90

Learning Objectives:

1. To highlight the significance of entrepreneurship and to provide an insight into the economics of entrepreneurial development
2. To prepare a ground where the students view entrepreneurship as a desirable and feasible career option.

Module I: Entrepreneurial Development: Emergence of entrepreneurship - Entrepreneurship and economic development - entrepreneurial skills and motivation - factors affecting entrepreneurial growth - obstacles to entrepreneurship in India – women entrepreneurship - Entrepreneurship Development Programme – EDII. (25 Hrs)

Module II: Theories of Entrepreneurship - economic theories -sociological and psychological theories - starting a new venture - project identification – project formulation - feasibility analysis – net work analysis - project planning – project life cycle - project report - project appraisal (25 Hrs)

Module III: Small Business Sector in India: Setting up of micro, small and medium enterprises – planning and organizing small business –relationship between large and small business – subcontracting -cluster approach - institutional support to SME sector. (20 Hrs)

Module IV: Features of Management – levels of management- functions of management-quality circle and total quality management-role of creativity and innovation – entrepreneurial opportunities in contemporary business environment (opportunities in network marketing, franchising, business process outsourcing) (20 Hrs)

Readings

1. Peter Drucker (1985), *Innovation and Entrepreneurship*, Harper – Business, New York
2. Vasanth Desai (2008), *Small Scale Industries and entrepreneurship*, Himalaya Publishing House, Mumbai
3. Thomas W. Zimmer & Norman N Scarborough (2008) *Essentials of Entrepreneurship and Small Business Management*, Pearson Education, New Delhi
4. Roy (2008), *Entrepreneurship*, Oxford University Press, New Delhi.
5. P. Charantimath (2008) *Entrepreneurship and Small Business Enterprise*, Pearson Education, New Delhi
6. Simon Bridge et al. (2003), *Understanding Enterprise, Entrepreneurship and Small Business*, palgrave macmillan.

Clause: Colleges opting Vocational Model II stream should select any one of the choice-based courses other than Entrepreneurship and Small Business Economics Course.

**BA ECONOMICS PROGRAMME
(VOCATIONAL)**

Model - II

**ECONOMICS, FOREIGN TRADE PRACTICES AND
PROCEDURES AND COMPUTER APPLICATIONS**

Semester III

Vocational Course – I

Fundamentals and Principles of Foreign Trade

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To familiarise the students with the basic principles of foreign trade and the environment in which foreign trade takes place. Why trade takes place – theories of international trade, balance of trade and balance of payments

Module I – Importance of Foreign Trade and Trade Theories

Importance of trade – internal and international trade – why trade – theories of trade – absolute cost advantage; comparative cost advantage – opportunity cost theories – Heckscher-Ohlin Theory – features – assumptions and limitations.

(40 hrs)

Module II – Trade and Development

Gains from trade – trade as an engine of economic growth – concept of terms of trade – secular deterioration of terms of trade.

(15 hrs.)

Module III – Trade Barriers

Free Trade v/s Protection – instruments of protection – Tariff – Types of tariff and quotas – partial equilibrium effect of tariff – concept of optimum tariff.

(15 hrs.)

Module IV – Balance of Trade and Balance of Payments. Concepts and components of Balance of Trade & Balance of Payments – Equilibrium and disequilibrium – causes – measures – devaluation – merits and demerits.

(20 hrs.)

Readings

1. Sodersten, Bo and Geoffrey Reed, International Economics, Palgrave Macmillan Press Limited, New Delhi.
2. Dominic Salvatore, International Economics. John Wiley and Sons.
3. Paul Krugman and Maurice Obstfeld (2009), International Economics, Theory and Policy, Pearson Education, Delhi.
4. Francis Cherunilam, (2008), International Economics, Tata McGraw Hills.

Semester IV
Vocational Course – II
India's Foreign Trade

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To familiarize the students with the position of India's foreign trade, import and export policies and various export promotion measures adopted by the Government.

Module I – Direction and Composition of India's Foreign Trade

Foreign Trade before and after 1991 – growth trends, composition and direction. (25 hrs)

Module II – India's Balance of Payments

India's Balance of Payments – visible account and invisible accounts – reasons for defects – measures taken. (25 hrs.)

Module III – Foreign Trade Policy of India – Past & Present

India's foreign trade policy – import substitution and export promotion – import liberalization – recent trade policy. (20 hrs.)

Module IV – India's Trade Agreements

WTO agreements and India's trade prospects. (20 hrs.)

Readings

1. Uma Kapila, Indian Economy, Academic Foundation, New Delhi. (Recent edition)
2. Dutt and Sundharam: Indian Economy, S. Chand and Company, New Delhi. (Recent edition)
3. Justin Paul and Rajiv Aserkar (2008), Export Import Management, Oxford University Press, New Delhi.
4. Annual Report, Ministry of Commerce, Govt. of India. (Latest issue)

Semester V
Vocational Course – III
International Business

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

This course has become relatively more relevant from the policy point of view under the present waves of globalization and liberalization both in the North and in the South.

Module I – Nature of International Business

Definition and meaning of international business – advantages of international business – theories of internationalisation. (25 hrs)

Module II – International Marketing

Domestic v/s International marketing – benefits of international marketing - selection of export market and export products. (25 hrs.)

Module III – Methods of Exporting

Direct and indirect exporting – role of export houses. (20 hrs.)

Module IV – Institutional Framework for Export Promotion in India

A brief overview of different institutions for export promotion – Export Processing Zones (EPZs) – Corporate social responsibility. (20 hrs.)

Readings

1. Cavusgil (2009), International Business, Pearson Education, New Delhi.
2. K.C. Kapoor, Export Management, Vilas Publishing House.
3. P. Arunachalam (ed.) (2009), Social, Political, Economic and Environmental Concerns of SEZ in India, Serials Publication, New Delhi.
4. O.S. Srivastava (2008), International Business, Kalyani Publishers, Ludhiana.
5. Aswathappa, International Business, Tata McGraw Hill
6. Francis Cherunilam (2009), International Trade and Export Management, Himalaya Publishing House, Bombay.

Semester V
Vocational Course – IV
International Marketing

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To familiarise the students with the nature and scope of international marketing strategies and policies.

Module I – Major Activities in International Marketing

Nature and scope of international marketing - International market assessment – international product strategies – regional economic grouping – new techniques in international marketing (joint ventures, sub-contracting, wholly owned subsidiaries and counter trade. (30 hrs)

Module II – International Marketing Channels

Channel selection – appointment of agents – agency agreement and payment of agency commission. (20 hrs.)

Module III – Advertisement and Promotion in International Market

Promotion abroad – methods – use of making list – trade fair and exhibition – advertisements. (20 hrs.)

Module IV – International Pricing

Determinants of selling prices – pricing strategies - Transfer pricing – Dumping – Incoterms – global marketing of services.(20 hrs.)

Readings

1. U.C. Mathur (2008), International Marketing Management, Sage Publications, Delhi.
2. Varshney and Bhattacharya (2005), International Marketing Management : Text and Cases, Sultan Chand and Co., Delhi.
3. Justin Paul and Rajiv Aserkar (2008), Export Import Management, Oxford University Press, Delhi.
4. Cavusgil (2009), International Business, Pearson Education, New Delhi.

Semester V

Vocational Course – V

Foreign Trade Financing and Procedures

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To impart the students the various methods and procedures of foreign trade financing, foreign exchange rates, costing and pricing of exports and the various institutions involved in export financing.

Module I – Export payment terms including letters of credit and operation. (30 hrs)

Module II – Pre-shipment and post-shipment finance. (20 hrs.)

Module III – Import finance and letters of credit and their operation. (20 hrs.)

Module IV – Role of Banks in foreign trade financing EXIM Bank – obtaining an ECGC policy and filing claims. (20 hrs.)

Readings

1. Acharya Jain (2007), *Export Marketing*, Himalaya Publishing House.
2. Justin Paul and Rajiv Aserkar (2008), *Export Import Management*, Oxford University Press
3. U.C. Mathur (2008), *International Marketing Management*, Sage Publications, Delhi.
4. Varshney and Bhattacharya (2005), *International Marketing Management : Text and Cases*, Sultan Chand and Co., Delhi.
5. Cavusgil (2009), *International Business*, Pearson Education, New Delhi.

Semester VI

Vocational Course – VI

Foreign Trade Documentation and Procedures

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To familiarise the students the basic documents involved in foreign trade, processing of an export order, customs clearance of export and import cargo, and negotiation of documents.

Module I – Need, rationale and types of documents – obtaining export and import licences – Processing of an export order. (30 hrs)

Module II – Preshipment inspection and quality control – Excise and customs clearance of export cargo. (20 hrs.)

Module III – Shipment of goods and port procedures – Customs clearance of import cargo – Post-shipment formalities and procedures. (20 hrs.)

Module IV – Foreign exchange and GR formalities – Claiming duty drawbacks and other benefits. (20 hrs.)

Readings

1. Ministry of Commerce, Handbook of Import and Export Procedures, Government of India.
2. Justin Paul and Rajiv Aserkar (2008), Export Import Management, Oxford University Press
3. Varshney and Bhattacharya (2005), International Marketing Management : Text and Cases, Sulthan Chand and Co., Delhi.
4. Cavusgil (2009), International Business, Pearson Education, New Delhi.
5. Francis Cherunilam (2009), International Trade and Export Management, Himalaya Publishing House.

Semester VI

Vocational Course – VII

Shipping and Insurance Practices and Procedures

No. of Credits – 4

No. of contact hours – 90

Learning Objectives

To make the students aware of the shipping and insurance practices and procedures which constitute the essential service for the operation of foreign trade.

Module I – International Logistics and Distribution

Logistics – Transportation – sea, air, rail and road, choice of modes of transport – warehousing – liner – tramps. (30 hrs)

Module II – Characteristics of shipping industry

History – characteristics, role of intermediaries in shipping – clearing and forwarding (c & f) agents – freight forwarders – Third party Logistic operators (20 hrs.)

Module III – Export Packaging and Labelling

Importance of packaging – factors influencing packaging – Indian Institute of Packaging – Labelling. (12 hrs.)

Module IV – Cargo Insurance

Importance – basic principles – types of cover – types of losses – determination of premium – obtaining a cover for filing a claim. (20 hrs.)

Readings

1. Cavusgil (2009), International Business, Pearson Education, Delhi.
2. Justin Paul and Rajiv Aserkar (2008), Export Import Management, Oxford University Press
3. Francis Cherunilam (2009), International Trade and Export Management, Himalaya Publishing House.
4. Ministry of Commerce, Handbook of Import and Export Procedures, Government of India.
5. Bennet (1999), International Business, Pearson Education, Delhi

Semester VI
Vocational Course – VIII

Entrepreneurship and Small Business Economics

No. of Credits - 4

No. of Contact hours – 90

Learning Objectives:

1. To highlight the significance of entrepreneurship and to provide an insight into the economics of entrepreneurial development
2. To prepare a ground where the students view entrepreneurship as a desirable and feasible career option.

Module I: Entrepreneurial Development: Emergence of entrepreneurship - Entrepreneurship and economic development - entrepreneurial skills and motivation - factors affecting entrepreneurial growth - obstacles to entrepreneurship in India – women entrepreneurship - Entrepreneurship Development Programme – EDII. (25 Hrs)

Module II: Theories of Entrepreneurship - economic theories - sociological and psychological theories - starting a new venture - project identification – project formulation - feasibility analysis – network analysis - project planning – project life cycle - project report - project appraisal (25 Hrs)

Module III: Small Business Sector in India: Setting up of micro, small and medium enterprises – planning and organizing small business – relationship between large and small business – subcontracting - cluster approach - institutional support to SME sector. (20 Hrs)

Module IV: Features of Management – levels of management- functions of management-quality circle and total quality management-role of creativity and innovation – entrepreneurial opportunities in contemporary business environment (opportunities in network marketing, franchising, business process outsourcing) (20 Hrs)

Readings

1. Peter Drucker, (1985), *Innovation and Entrepreneurship*, Harper – Business, New York
2. Vasanth Desai (2008), *Small Scale Industries and entrepreneurship*, Himalaya Publishing House, Mumbai
3. Thomas W. Zimmer & Norman N Scarborough (2008), *Essentials of Entrepreneurship and Small Business Management*, Pearson Education, New Delhi
4. Roy (2008), *Entrepreneurship*, Oxford University Press, New Delhi.
5. P. Charantimath (2008), *Entrepreneurship and Small Business Enterprise*, Pearson Education, New Delhi
6. Simon Bridge et al. (2003), *Understanding Enterprise, Entrepreneurship and Small Business*, palgrave macmillan.

Clause: Colleges opting Vocational Model II stream should select any one of the choice-based courses other than Entrepreneurship and Small Business Economics Course.

BA ECONOMICS PROGRAMME (VOCATIONAL)

SEMESTER I

Complementary Course I Introduction to Computers

No. of Credits : 3

Contact hrs : 54

Learning objectives

To introduce to the students the functions, uses and the vast opportunities of computers.

Module I: Introduction: Parts of Computer System- Hardware, Software, Data, Users, Different types of computers, Characteristics of computers, Computer Languages - Machine, Assembly Language and Higher Level languages - 3GL, 4GL, 5GL. 12 hrs

Module II: Interacting with Computers:- Input Devices - Key Board, Mouse, Variants of Mouse, Hand held devices, Optical Input devices. Output Devices: Monitors, Sound Systems, and Printers.

10 hrs

Module III: Data Processing: Representation of data, processing of data - The CPU, Memory-different types of RAM and ROM, Factors affecting speed 10 hrs

Module IV: Storing Information in a Computer: Types of Storage Devices - Magnetic Storage Devices – Data storage and organization on a Magnetic Disk, Finding data on a disk - Diskettes - Hard Disks - Tape drives - Optical Storage devices, Solid state storage devices.

12 hrs

Module V: Operating Systems and Networking: Definition of an Operating System - Different types of PC Operating Systems. Computer Networks – uses - categories of networks - LAN, WAN, The Internet - Working of Internet - Major Features of Internet. 10 hrs

Basic Readings

1. Peter Norton (2007), Introduction to Computers, sixth Edition, Tata McGraw Hill (T1)
2. P.K. Sinha & Priti Sinha, Computer Fundamentals, Fourth Edition, BPB Publication (T2)
3. IITL Education Solutions Limited (2004), Introduction to Computer Science , Pearson Education, Delhi

Supplementary Readings

1. Michael Miller (2007), Absolute Beginner's Guide to Computer Basics, Fourth Edition, Pearson Education, Delhi
2. Deborah Morley, Charles S.Parker, (2007), understanding computers today and tomorrow, 11th edition, Cengage Learning.
3. Rajkamal (2007), Internet and web Technologies, Tata McGraw Hill.

Complementary Course I
Introduction to Computers (Lab)

No. of Credit: 1

Contact hrs: 36

- I. Familiarization of Computer System:** Demonstration of various units of Computer system, handling of devices, demo on hardware units, Login process, Booting Process. (2 hrs)
- II. Practising Operating System Commands:** MS-DOS internal & external commands (dir, copy, del, ren, copy con, date, time, chkdsk, mkdir, cd, rmdir, EDIT etc). MS-WINDOWS – using start menu, desk top, task bar, word pad, note pad, file management - creation, copy, delete, moving of files in directories, selecting and executing a program - demonstration of editing. (34 hrs)

Semester II

Complementary Course II MS OFFICE PACKAGES

No. of Credits : 3

Contact hrs : 54

Learning objective

To make the students experts in handling MS-OFFICE packages like MS-WORD and MS-EXCEL.

Module I: MS-Word

Word Basics : Starting word, Creating a new document, Opening preexisting document, The parts of a word window, Typing text, Selecting text, Deleting text, Undo, Redo, Repeat, Inserting text, Replacing text, Formatting text, Cut , Copy, Paste – Formatting Text and Documents : Auto format, Line spacing, Margins, Borders and Shading.

Headers and Footers : Definition of headers and footers, creating basic headers and footers, creating different headers and footers for odd and even pages.

Tables : Creating a simple table, Creating a table using the table menu, Entering and editing text in a table, selecting in table, adding rows, changing row heights, Deleting rows, Inserting columns, Deleting columns, changing column width.

Graphics: Importing graphics, Clipart, Insert picture, Clip Art Gallery, using word's drawing features, drawing objects, text in drawing.

Templates: Template types, using templates, exploring templates, modifying templates.

Macros: Macro, Record in macros, editing macros, running a macro.

Mail Merge: Mail Merge concept, Main document, data sources, merging data source and main document, Overview of Word menu options Word basic tool bar. (24 hrs)

Module II: MS-Excel

Excel basics : The usual spreadsheet features, overview of Excel features, Getting Started, Creating a new worksheet, Selecting cells, Navigating with the mouse and keyboard, Entering and editing text, text boxes, text notes, checking spelling, undoing and repeating actions, entering and formatting numbers, entering and editing formulae, referencing cells, order of evaluation in formulae, look up tables, copying entries and equations to minimize typing, more auto fill examples, creating custom fill lists, protecting and unprotecting documents and cells.

Rearranging worksheets : Moving cells, copying cells, sorting cell data, inserting rows, inserting columns, inserting cells, inserting as you paste, deleting parts of a worksheet, clearing parts of a worksheet, how formulae react to worksheet design changes, Auditing tools help spot potential problems.

Excel formatting tips and techniques : Excel page setup, Changing column widths and row heights, auto format, manual formatting, using styles, format codes alter a number's appearance, format painter speeds up format copying, changing font sizes and attributes, adjusting alignments, centering text across columns, using border buttons and commands, changing colours and shading, inserting and removing page breaks, hiding rows and columns.

An introduction to functions : examples of functions by category.

Excel's chart features : chart parts and terminology, instant charts with the chart wizard, creating charts on separate worksheets, resizing and moving charts, adding chart notes and arrows, editing charts, rotating 3-D charts, Changing worksheet values by dragging chart on which axis, adding overlay charts, creating trend lines, data map.

Working with graphics in Excel: Creating and placing graphic objects, resizing graphics, positioning graphics on worksheets, drawing lines and shapes, examples of graphics in Excel, possible sources of excel graphics, Excel slide shows. (30 hrs)

Readings

1. Ran Mansfield (2008), Working in Microsoft Office, Tata McGraw Hill. (Chapters : 4 to 9, 11, 12, 24, 25, 28)
2. Ed Bott, Woody Leonhard (2007), Using Microsoft Office 2007, Pearson Education.

Semester II

**Complementary Course II
MS OFFICE PACKAGES (Lab)**

No. of Credit : 1

Contact hrs: 36

- Power Point : Familiarize with power point presentation
- MS word : Familiarize with Spell check and mail merge facility
- MS Excel : Perform MS Excel functions including the creation of tables, charts, and pivot.

Semester III

**Complementary Course III
DATABASE CONCEPTS and MS-ACCESS**

No. of Credits : 3

Contact hrs : 54

Learning objective

The objective of this course is to equip the students with basic data base concepts and explore the Microsoft Access environment

Module I: Introduction To Database Management System

An overview, definition, advantages and disadvantages, characteristics of DBMS approach, Concept of fields, files and database. 5 hrs

Module II: MS-Access Basics

Introduction to Access: Access concepts and terms, starting and quitting access, the access workspace and tools, the views.

Creating a simple database and tables : The access table wizard, creating databases without the wizard, field names, data types and properties, adding or deleting fields in tables, renaming fields and their captions, moving fields, deleting fields in tables, resizing fields, changing the appearance of text in tables, freezing columns, primary key fields, indexing fields, viewing a list of database properties.

Forms : The form wizard, saving forms, modifying forms.

Entering and editing data : Typing, adding records, duplicate previous entries without retyping, switching out of data entry mode, when do entries get saved?, undo, correcting entries, global replacements, moving from record to record in a table, entry and navigational shortcuts.

Finding, sorting and displaying data : Queries and dynasets, creating and using select queries, returning to the query design, multiple search criteria, finding incomplete matches, using wildcards in queries, requesting range of records, hiding columns, reformatting dynasets, multilevel sorts, showing all records after a query, saving queries for latter use, cross tab queries, find and replace. 24 hrs

Module III: Access Reports, Forms and Graphics

Printing reports, forms, letters and labels: simple table, form, and database printing, defining advanced reports, manual reporting and modifying, modifying section contents, properties in reports, saving report formats for reuse, printing mailing labels, changing label designs.

Relational databases: Flat versus relational, how relationships work, Exercise: creating a simple relationship, types of relationships,

defining and redefining relationships, deleting relationships, creating relationships.

Expressions, macros and other automation: Expressions, using expressions in reports, using expressions in queries, using expressions in forms, expression builders.

Graphics in databases: Objects: linked, embedded, bound and unbound, unbound graphics as form and report embellishments, bound graphics in records, adding graphics to buttons, chart wizard: charting your data. 25 hrs

Readings

1. Ron Mansfield (2008), Working in Microsoft office, Tata McGraw Hill.
2. Ed Bott, Woody Leonhard (2007), Using Microsoft Office 2007, Pearson Education.
3. P.K. Sinha & Priti Sinha, Computer Fundamentals, Fourth Edition, BPB Publication.

Complementary Course III

DATABASE CONCEPTS and MS-ACCESS (Lab)

No. of Credit: 1

Contact hrs: 36

- Create a database in MS-ACCESS
- Using a Query option filter the records in a database
- Using form wizard create a Forms in MS-ACCESS
- Report generation in MS-ACCESS using report wizard

Semester IV
Complementary Course - IV
Visual Programming Techniques

No. of Credits : 3

Contact hrs : 54

Learning Objectives

To familiarise the students with graphical user interface by introducing elementary level basic programming.

Module I: Visual Basic: Basic Concepts - Getting Started with Visual Basic 6 – Fast Track to Windows Development, Understanding the advantages of VB, VB Development Overview, Designing and building the User Interface, Creating first VB program, Adding controls to the form, Setting control properties, Writing Event Driven Code.
10 hrs

Module II: Understanding Visual Basic Projects –Using different types of Projects, Understanding the Project Explorer Window, Understanding VB procedures – Understanding subroutines & functions, Comments, Controlling Program Flow-IF.. THEN...ELSEIF, SELECT...CASE, Loops - FOR...NEXT, DO, WHILE....WEND. Using Visual Basic Variables - Data Types - Byte, Integer, Long, Single, Double, Currency, Boolean, Date, Object, String & Variant. Variable Declaration-Implicit & Explicit.
12 hrs

Module III: Designing the User Interface - VB Form, Adding Forms, Form Properties, setting Properties in Code, Using Form Drawing Methods, Loading & UnLoading Forms, Form Events, Dialog Boxes-Message Box & Input Box, Understanding MDI Applications-MDI Parent Form/Child Forms.
12 hrs

Module IV: Putting your Forms to Work with Controls : Tool Box-Label, Text Box, Frame, Command Button, Check Box, Option Button, List Box, Combo Box, Horizontal Scrollbar, Vertical Scrollbar, Timer, DriveListBox, DirectoryListBox, FileListBox, Line, Shape, Image Box, Picture Box, Data Control, OLE Control, Customizing Tool Box, Adding Controls to Forms, Naming Controls, Simple Programs with these Controls
10 hrs

Module V: Mastering Menus and Toolbars – Understanding Menus, Menu Editor, Pop-up Menus, Customising Toolbar, Jet, DAO, Advanced Data Access Methods – ADO, OLEDB
10 hrs

Basic Readings

Peter Norton and Michael Groh, *Peter Norton's Guide to Visual Basic 6*, Techmedia Publications -Chapters: 1-7, 18, 19,

Supplementary Readings

1. Gary Cornell (2008), *Visual Basic 6 from the Ground Up*, Tata McGraw-Hill
2. Julia Case Bradley and Anita C Millspaugh (2005), *Programming in Visual Basic 6.0*, Tata McGraw-Hill
3. Bob Roselman, Richard Peasley and Wayne Prunchiah, *Using Visual Basic 6*, Prentice-Hall India

**Complementary Course IV
Visual Programming Techniques (Lab)**

No. of Credit: 1

Contact hrs: 36

1. Designing User Interface using- List Box, Combo Box, Image and Picture Box, Directory-File-Drive list boxes, Rich text box, etc
2. Creating Menus - Creating Menus and writing Codes, Linking Menus with MDI forms, Creating toolbox and access it for loading and working forms.
3. Database Connectivity using Controls - Designing user interface with forms and controls and create database connectivity by DAO and ADO Control.

ACKNOWLEDGEMENTS

Core 1: Methodology of Social Sciences with Special Reference to Economics

1. Prof.M.J. Mathew, MES College, Nedumkandam (Convener)
2. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom
3. Dr. A. Asokan, Nehru Arts and Science College, Kanhangad
4. Prof. Roselind George, St. Dominic's College, Kanjirappally
5. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha

Core 2 - Development and Environmental Economics

1. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom (Convener)
2. Dr. Joy George, St. Thomas College, Pala
3. Prof..Shaju M.J., Baselios College, Kottayam
4. Prof. Anupa Leela George, Assumption College, Changanacherry
5. Dr. Cyriac Joseph, K.E. College, Mannanam

Core 3 – Principles of Micro Economics & Core 5 – Micro Economic Analysis

1. Prof. P.M. Raju, Govt. College, Kottayam (Convener)
2. Prof. M.J. Sunil Kumar, Govt. College, Kottayam
3. Prof. Nima Jacob, BCM College, Kottayam
4. Prof. Preethi K.N., SVR NSS College, Vazhoor

Core 4 – Modern Banking

1. Prof. Mathew J. Muricken, St. George's College, Aruvithura (Convener)
2. Dr. K.K. John, St. Thomas College, Pala
3. Prof. Alphonsa Jacob, Alphonsa College, Pala
4. Prof. Elsamma Joseph, Deva Matha College, Kuravilangad

Core 6 – Public Economics

1. Prof. George Mathew, Marthoma College, Thiruvalla (Convener)
2. Dr. Sindhu K., Cochin College, Kochi.
3. Prof. Sheeba V.T., SVR NSS College, Vazhoor.

**Core 7 – Quantitative Techniques for Economic Analysis &
Core 11 – Quantitative Economics**

1. Prof. Suma P. Aney Mathew, K.G. College, Pampady (Convener)
2. Prof. Roselind George, S.D. College, Kanjirappally
3. Dr. Laisa Thomas, Morning Star Home Science College, Angamaly.

**Core 8 – Principles of Macro Economics &
Core 12 – Macro Economic Analysis**

1. Prof.K.A. Thomas, St. Joseph's College, Moolamattam (Convener)
2. Prof. Gresamma Mathew, BCM College, Kottayam
3. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha
4. Prof.George J. Issac, St. Peter's College, Kolencherry
5. Prof. K. Hema, SSV College, Perumbavoor
6. Prof. Anupa Jacob, St. Theresa's College, Ernakulam.

**Core 9 – Indian Economy &
Core 13 – Development Issues of the Indian Economy**

1. Prof. George Mathew, Marthoma College, Thiruvalla (Convener)
2. Prof. Pramod Joseph, St. Joseph's College, Moolamattam
3. Prof. Lizamma Abraham K., Nirmala College, Muvattupuzha.
4. Prof. Imme Maria Thomas, S.D. College, Kanjirappally

Core 10 – Economics of Financial Markets

1. Prof.Mathew J. Muricken, St. George's College, Aruvithura (Convener)
2. Dr. K.K. John, St.Thomas College, Pala
3. Prof. Alphonsa Jacob, Alphonsa College, Pala
4. Prof. Elsamma Joseph, Deva Matha College, Kuravilangad
5. Prof. Nirmala Padmanabhan, St. Teresa's College, Ernakulam.

Core 15 – International Economics

1. Prof. George Mathew, Marthoma College, Thiruvalla (Convener)
2. Dr. Cyriac Joseph, K.E. College, Mannanam
3. Prof. Gresamma Mathew, BCM College, Kottayam
4. Prof. K.C. Thomas, St Stephen's College, Uzhavoor

Open Course 1 – Foundations of Environmental Economics

1. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom (Convener)
2. Dr V.A. Asokan, Nehru Arts and Science College, Kanhangad.
3. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha
4. Dr. Cyriac Joseph, K.E. College, Mannanam.

Open Course 2 – Fundamentals of Economics

1. Prof. M.J. Mathew, MES College, Nedumkandam (Convener)
2. Prof. K.A. Thomas, St. Joseph's College, Moolamattom
3. Dr. K.K. John, St. Thomas College, Pala
4. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha
5. Prof. Lissamma Abraham, Nirmala College, Muvattupuzha

Open Course 3 – Agricultural Economics

1. Prof. V.C. Antony, St. Paul's College, Kalamasserry (Convener)
2. Prof. Pramod Joseph, St. Joseph's College, Moolamattom

Open Course 4 – Demography

1. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom (Convener)
2. Prof. Mathew J. Muricken, St. George's College, Aruvithura.
3. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha
4. Prof. Pramod Joseph, St. Joseph's College, Moolamattom

Open Course 5 - Business Economics

1. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom (Convener)
2. Dr V.A. Asokan, Nehru Arts and Science College, Kanhangad.
3. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha
4. Prof. K.A. Thomas, St. Joseph's College, Moolamattom

Complementary Course 6 – Mathematical Economics

1. Prof. K.A. Thomas, St. Joseph's College, Moolamattom (Convener)
2. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom
3. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha
4. Dr. Joy George, St. Thomas College, Pala

Core - Choice Based Courses

- 1. Outline of Economic Thought**
- 2. Human Resource Management**
- 3. Marketing Management**
- 4. Entrepreneurship and Small Business Economics**
- 5. Travel and Tourism Management**
- 6. Econometric Methods**
- 7. Informatics**

1. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom (Convener)
2. Dr. Ashokan, Nehru Arts and Science College, Kanhangad
3. Prof. K. A. Thomas, St Joseph's College, Moolamattom
4. Prof. Mathew J. Muricken, St. George's College, Aruvithura
5. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha

Complementary Course (Economics) for other BA Programmes

Course I Principles of Economics

Course II – Basic Economic Studies

1. Prof. M.J. Mathew, MES College, Nedumkandam (Convener)
2. Prof. R. Babu Rajendra Prasad, DB College, Thalayolaparambu
3. Prof. Elsamma Paulose, UC College, Aluva
4. Prof. Sheeba Abraham, M.A. College, Kothamangalam.
5. Prof. Suma P. Aney Mathew, K.G. College, Pampady

BA Economics Programme - Model – II (Vocational)

Economics, Principles and Practices of Insurance and Computer Applications

Principles and Practices of Insurance

- Course I - Actuarial Science and the Economics of Insurance
- Course II - Life Insurance
- Course III - General Insurance – An Overview
- Course IV - Fire Insurance
- Course V - Marine Insurance
- Course VI - Legal and Regulatory Aspects of Insurance
- Course VII - Property and Liability Insurance
- Course VIII – Entrepreneurship and Small Business Economics

Computer Applications

- Course I - Introduction to Computers
Course II - MS-Office Packages
Course III - Database Concepts & MS-Access
Course IV - Visual Programming Techniques
1. Prof. P.X. Sebastian, Maharaja's College, Ernakulam (Convener)
 2. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom
 3. Mr. A.B. Aliyar, Administrative Officer, United India Insurance Co. Ltd., Cochin.
 4. Prof. Sini Kurian, Al-Ameen College, Edathala

BA Economics Programme - Model – II (Vocational)

Economics, Foreign Trade Practices and Procedures and Computer Applications

Foreign Trade Practices and Procedures

- Course I - Fundamentals and Principles of Foreign Trade
Course II - India's Foreign Trade
Course III - International Business
Course IV - International Marketing
Course V - Foreign Trade Financing and Procedures
Course VI - Foreign Trade Documentation and Procedures
Course VII - Shipping and Insurance Practices and Procedures
Course VIII - Entrepreneurship and Small Business Economics

Computer Applications

- Course I - Introduction to Computers
Course II - MS-Office Packages
Course III - Database Concepts & MS-Access
Course IV - Visual Programming Techniques
1. P.X. Sebastian, Maharaja's College, Ernakulam (Convener)
 2. Dr. Mathew Emmanuel, St. Xavier's College, Vaikom
 3. Dr. K. Prasanna, Government College, Thripunithura.
 4. Prof. Sunilkumar S. Menon, Government College, Thripunithura.
 5. Prof. Georgi Neernal J., Nirmala College, Muvattupuzha.
 6. Prof. Sini Kurian, Al-Ameen College, Edathala.