Learning Outcomes-based Curriculum Framework (LOCF) for Post-graduate Programme

Name of the Programme:

M.A. ECONOMICS

(Syllabus effective from 2020 Admission)

KANNUR UNIVERSITY
DEPARTMENT OF ECONOMICS
Choice Based Credit Semester System (CBCSS)
2020

KANNUR UNIVERSITY

Syllabus for MA Economics

M.A. Economics

I. ABOUT THE DEPARTMENT

The Department of Economics (initially constituted under the title Department of Applied Economics) under the School of Development Studies was established in the year 2001, is recognised as a centre of excellence in the field of higher education in economics. The department offers an active and stimulating research environment for postgraduate and research students. The department is manpowered with faculty members who are charged with multi disciplinary background required for enabling the students to acquire skills in various branches of economics. Currently the department has four faculty members .The department is also enriched by the expertise lectures offered by distinguished professors from various nationally reputed institutions. At present, department offers two academic programmes.

1. M.A in Economics

2. Ph.D in Economics

The department has released 17 batches of M.A Applied Economics students and few Ph. D degree holders and most of them have secured good and covetable placement in public and private sector establishments. The Department of Economics is proactively engaging multiple and multi-dimensional research projects that cover social and village welfare, health care, education, water and energy management, and conservation, among others. The Department of Economics, since its inception has been organizing national seminars annually and also conducts workshops, discussions, and symposiums with the active participation of faculty and students involving academicians and experts in the concerned areas. Theses academic discussions and discourses will enable the department to nurture and emerge as the most reputed post graduate study and research centre in India.

II. INTRODUCTION TO CBCSS (CHOICE BASED CREDIT SEMESTER SYSTEM)

The Department of Economics has introduced Choice Based Credit and Semester System (CBCSS) from 2010 onwards offering two years four semesters programme. All the permanent and contract teachers of the department shall be the members of the Department Council.The scheme and syllabus of M .A. Applied Economics Programme was prepared by the Department Council with the

Head of the Department as chairman and all the faculty members as its member. The syllabus approved by the curricular and the academic council was introduced in the 2010 Admission. The course structure related to the number of credits and the pattern of core course and elective course were as per the regulations of CBCSS implemented in the University for the University Departments. The syllabus of the Department was far advanced than the syllabus recommended for the colleges in terms of number of papers and its coverage.

III.   SCOPE - DEFINITIONS

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill-based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Grading system provides uniformity in the evaluation and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations which enables the student to move across institutions of higher learning. The uniformity in evaluation system also enables the potential employers in assessing the performance of the candidates.

Definitions: (i) 'Academic Programme' means an entire course of study comprising its programme structure, course details, evaluation schemes etc. designed to be taught and evaluated in a teaching Department/Centre or jointly under more than one such Department/ Centre.

(ii) 'Course' means a segment of a subject that is part of an Academic Programme.

(iii) 'Programme Structure' means a list of courses (Core, Elective, Open Elective) that makes up an Academic Programme, specifying the syllabus, Credits, hours of teaching, evaluation and examination schemes, minimum number of credits required for successful completion of the programme etc. prepared in conformity to University Rules, eligibility criteria for admission.

(iv) 'Core Course' means a course that a student admitted to a particular programme must successfully complete to receive the degree and which cannot be substituted by any other course.

(v) 'Elective Course' means an optional course to be selected by a student out of such courses offered in the same or any other Department/Centre.

(vi) 'Open Elective' means an elective course which is available for students of all programmes, including students of same department. Students of other Department will opt these

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courses subject to fulfilling of eligibility of criteria as laid down by the Department offering the course.

(vii) 'Credit' means the value assigned to a course which indicates the level of instruction; One-hour lecture per week equals.

(viii) 'SGPA' means Semester Grade Point Average calculated for individual semester.

(ix) 'CGPA' is Cumulative Grade Points Average calculated for all courses completed by the students at any point of time. CGPA is calculated each year for both the semesters clubbed together.

(x) 'Grand CGPA' is calculated in the last year of the course by clubbing together of CGPA of two years, i.e., four semesters. Grand CGPA is being given in Transcript form. To benefit the student a formula for conversation of Grand CGPA into %age marks is given in the Transcript.

IV.GRADUATE ATTRIBUTES

Graduate attributes can be understood as the qualities, values, skills and skills that a particular university sets out to inculcate and develop among its students. These attributes are the stated objectives for equipping students to work in a chosen area and become critical and responsible citizens, contributing to the social and economic wellbeing of society.The development of graduate attributes is complex, requiring an institutional commitment across the board if the process is to succeed. The Graduate Attributes of Kannur University will sought to be actualized in terms of the framing of course curricula, learning outcomes, admission criteria and other related administrative regulations of the University.

GRADUATE ATTRIBUTE 1 - SCHOLARSHIP

KANNUR UNIVERSITY graduates will be able inquire critically into their area of study, while being aware of changing state of knowledge both in their own chosen discipline as well as related disciplines.

KANNUR UNIVERSITY graduates will have the ability to actively engage in the generation of innovative and relevant knowledge and understanding through inquiry, critique and synthesis going beyond their discipline of specialization.

GRADUATE ATTRIBUTE 2 - CRITICAL CITIZENSHIP AND THE SOCIAL GOOD

KANNUR UNIVERSITY graduates will be engaged, committed and accountable agents of social good. They must aspire to contribute to social justice and environmental sustainability, appreciative of the complexity of historical contexts and societal conditions through their roles as professionals and members of local and global communities.

KANNUR UNIVERSITY graduates will be committed to furthering gender and social equality and empathetically engage with all forms of difference including, conflicting intellectual traditions, religious and cultural practices, language, region and nationality.

GRADUATE ATTRIBUTE 3 - LIFELONG LEARNING

KANNUR UNIVERSITY graduates will be Lifelong Learners, committed to and capable of continuous collaborative and individual learning and critical reflection for the purpose of furthering their understanding of the world and their place in it.

This can be assessed, evaluated and monitored through the semester examination, extension and outreach activities, success in national level examination, quality of publications, students participation in various activities of the campus and off campus and also through inter and intra university programme.

V. PROGRAMME OBJECTIVES (POs)

1. To inculcate and develop aptitude to integrate economic theory and practices of broad development aspects of international and national economic policies and analysis of different sectors.

2. To train students to gain knowledge in quantitative and econometric tools to handle large economic data and carry out data analysis of real life economic issues.

3. To teach a wide range of knowledge in current economic issues and gaining analytical skills, including problem-solving, project work and presentation so as enable students to take prominent roles in a wide spectrum of employment and research.

VI. PROGRAMME OUTCOMES (POs)

1. Demonstrate a degree of mastery, at a level higher than the requirements in the appropriate master's program, over the area of the specialization of the program.
2. Carry out research independently and/or jointly in disciplinary or interdisciplinary Areas of Economics.
3. Write and present a substantial report/document on issues or problems of concern to the program.
4. Demonstrate the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.
5. Get wide range of job opportunities in industry as well as in government sector.

VII.PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: A sound knowledge in the advanced economic theory and its application.

PSO2: An in-depth knowledge in the fields like agricultural Economics, financial market, environmental and natural resource management, development economics, international trade, econometrics, mathematical economics etc. and grab research openings in govt. funded national and international research institutions.

PSO3: Demonstrate a sound potential and ambience for a variety of challenging careers through Innovation in teaching and research.

PSO4. Mastery over mathematical and quantitative techniques commonly used in economics research and also in the field of corporate business and policy applications.

PSO5: Attain a competitive edge in the State and Central Service examinations where the subject content of economics dominates in the selection process.

VIII. M.A.ECONOMICS PROGRAMME DETAILS

M.A Economics programme is a two-year course divided into four-semester. A student is required to complete 80 credits for the completion of course and the award of degree. This post-graduate program incorporates advanced knowledge in economics discipline, adequate skills and knowledge of computing and data-based decision making, and ability to work on multi/interdisciplinary problems. These can be attained in this program through six curricular components as,

- Disciplinary Core
- Computing Hard Core
- Multi/lnter-Disciplinary Soft Core/Open/Mooc Courses
- Electives
- Project
- Viva

Credit Distribution of the Programme is:

Credit Distribution					
Type	Credits	Credits			
		Sem I	Sem II	Sem III	Sem IV
Core course	28	12	4	8	4
Computing Hard Core	8	4		4	
Multi-disciplinary/Inter disciplinary/soft/Mooc/online course	4				4
Electives	28		12	8	8
Projects	6				6
Viva	2				2
Total Credit	**76**	**16**	**16**	**20**	**24**

7Electives are chosen by the student from among a list of elective courses offered by the Department and Students have to undertake one Multi-disciplinary/Inter disciplinary soft Core courses offered by other Departments or MOOC courses under Swayam. One projecthave to be completed in this two year programme, a 6-credit project in the fourth semester.A semester may consist of 20 weeks of Activities. The number of teaching weeks shall be 15-16 weeks.

IX PROGRAMME STRUCTURE

The distribution of the courses over the four semesters of the PG program can be,

Semester I

Course Code	Course Title	Core/ Elective	Credit	Instructional hours /week	Internal Marks	End Sem. Marks	Total
MAECO01C01	Paper 1. Micro-Economic Theory	Core course	4	4	40	60	100
MAECO01C02	Paper 2. Macro-Economic Theory	Core course	4	4	40	60	100
MAECO01C03	Paper3. Development Issues of Indian Economy-With special reference to Kerala	Core course	4	4	40	60	100
MAECO01C04	Paper4. Quantitative Techniques for Economic Analysis	Computing Hard Core	4	4	40	60	100
		Total	**16**	**16**	**160**	**240**	**400**

Semester II

Course Code	Course Title	Core/ Elective	Credit	Instructional hours /week	Internal Marks	End Sem. Marks	Total
MAECO02C05	Paper 5. International Economics	Core course	4	4	40	60	100
MAECO02E01	Paper 6. Research Methodology	Elective course	4	4	40	60	100
MAECO02E02	Paper7.Public Economics	Elective course	4	4	40	60	100
MAECO02E03	Paper8.Economics of growth and development	Elective course	4	4	40	60	100
		Total	**16**	**16**	**160**	**240**	**400**

> **Two weeks to one month Internship- Research Institutions/Industry (Optional for interested students)**

Semester III

Course Code	Course Title	Core/ Elective	Credit	Instructional hours /week	Internal Marks	End Sem. Marks	Total
MAECO03C06	Paper 9. Environmental Economics	Core course	4	**4**	**40**	**60**	**100**
MAECO03C07	Paper 10. Political Economy	Core course	4	**4**	**40**	**60**	**100**
MAECO03C08	Paper11.Econometrics	Computing Hard Core	4	**4**	**40**	**60**	**100**
MAECO03E04	Paper 12. Population Studies	Elective course	4	**4**	**40**	**60**	**100**
MAECO03E05	Paper 13. Agricultural Economics	Elective course	4	**4**	**40**	**60**	**100**
		Total	**20**	**20**	**200**	**300**	**500**

Semester IV

Course Code	Course Title	Core/Elective	Credit	Instructional hours /week	Internal Marks	End Sem. Marks	Total
MAECO04C09	Paper 14. Financial Institutions and markets	Core course	4	**4**	**40**	**60**	**100**
MAECO04E06	Paper15. Mathematical Economics	Elective course	4	**4**	**40**	**60**	**100**
MAECO04E07	Paper16. Operations Research for Economic Analysis	Elective course	4	**4**	**40**	**60**	**100**
MAECO04O01--MAECO04O04 OR Any other	Paper 17. Multi-disciplinary/Inter-disciplinary soft core Courses/Mooc Course	Open Elective	4				**100**
MAECO04P01	Paper 18. Project	Project	6	**6**	**-**	**100**	**100**
MAECO04V01	Viva	Core	2			**100**	**100**
		Total	**24**	**18**	**120**	**380**	**600**

Total credits of four semesters = 76   Total Marks = 1900

HARD CORE/ COMPULSORY COURSE

Sl. No	Course Code	Course Title	Credit	Instructional Hours/week
1	MAECO01C01	Micro- Economic Theory	4	4
2	MAECO01C02	Macro-Economic Theory	4	4
3	MAECO01C03	Development Issues of Indian Economy- With special reference to Kerala	4	4
4	MAECO01C04	Quantitative Techniques for Economic Analysis	4	4
5	MAECO02C05	International Economics	4	4
6	MAECO02C06	Environmental Economics	4	4
7	MAECO03C07	Political Economy	4	4
8	MAECO03C08	Econometrics	4	4
9	MAECO04C09	Financial Institutions and Markets	4	4
10	MAECO04P01	Project	6	6
11	MAECO04V01	Viva	2	
		Total Credit	**44**	**42**

Selection of Elective Courses: 7 elective courses (28credits) are compulsory to complete this programme; a student may choose electives in semester II, III and IV from the lists of options being offered by the Department.

ELECTIVE COURSES

Sl.No	Course Code	Course Title	Credit	Instructional Hours/week
1	MAECO02E01	Research Methodology	4	4
2	MAECO02E02	Public Economics	4	4
3	MAECO02E03	Economics of Growth and Development	4	4
4	MAECO03E04	Population Studies	4	4
5	MAECO03E05	Agricultural Economics	4	4
6	MAECO04E06	Mathematical Economics	4	4
7	MAECO04E07	Operations Research for Economic Analysis	4	4
8	MAECO02 E08	Development of Economic Ideas	4	4
9	MAECO03E09	Computer Application in Economic Analysis	4	4

10	MAECO03E10	Applied Welfare Economics	4	4
11	MAECO03E11	Business Economics	4	4
12	MAECO04E12	Security Analysis and Portfolio Management	4	4
13	MAECO04E13	Project Formulation and Evaluation	4	4
14	MAECO04E14	Applied Econometrics	4	4

Selection of Multi-Disciplinary/ Interdisciplinary soft core/MOOC/online Courses: 1 course (4 credit) is compulsory to complete this programme; a student may choose one course in each Semester from the lists of options being offered by other Department/MOOC/online courses offered under SWAYAM platform.

MULTI-DISCIPLINARY/INTER-DISCIPLINARY SOFT CORE COURSES/ OPEN COURSES OFFERED IN THE DEPARTMENT

Sl.No.	Course Code	Course Title	Instructional Hours/week	Credit
1	MAECO04 O 01	Health Economics	4	4
2	MAECO04 O 02	Gender Economics	4	4
3	MAECO04 O 03	Energy Economics	4	4
4	MAECO04 O 04	Transport economics	4	4

MULTI-DISCIPLINARY/INTER-DISCIPLINARY SOFT CORE COURSES/MOOC /ONLINE COURSE OFFERED IN SWAYAM

Teaching: The faculty of the Department is primarily responsible for organizing lecture/Practical/Tutorial work. The instructions related to tutorials are provided by the respective registering units under the overall guidance of the Department. Faculty from some other Departments and constituent colleges are also associated with lecture and tutorial work in the Department. There shall be 90 instructional days excluding examination in a semester.

X. ELIGIBILITY FOR ADMISSIONS

The academic eligibility for admission to M.A. Economics programme offered in the Department is any Bachelor's Degree with at least 50% of marks or equivalent grade in the aggregate. SC/ST students will be provided a relaxation of 5% in the eligibility of marks.

RESERVATION

As per government/university rules.

Admission to M.A Economics is purely on the basis of Entrance Examination. The Entrance Examination will be of 120 minutes duration for 100 marks. The questions for Entrance Examination are of objective multiple choices with 50% of questions from Economics, 25% from Statistics, 10% from Mathematics and 15% questions as General Awareness expecting from a graduate of a university. The syllabus of the Entrance Examination will be provided along with admission prospectus.

XI. SCHEME OF EXAMINATION GUIDELINES FOR THE AWARD OF INTERNAL ASSESSMENT MARKS PASS PERCENTAGE & PROMOTION CRITERIA SEMESTER TO SEMESTER PROGRESSION

(i)   English shall be the medium of instruction and examination.

(ii)   Examinations shall be conducted at the end of each Semester as per the Academic Calendar notified by the Kannur University.

(iii)   Examination/Evaluation: A student will be evaluated out of 100 marks during the course.

(iv)   There will be 12 theory papers in the four semester programme. In addition, there will be one open elective paper in semester IV. Each theory paper will be examined out of 100 marks (40 for internal assessment and 60 for final examination at the end of each semester).

Evaluation of the students shall be done by the faculty member who teaches the course on the basis of Continuous Assessment and End Semester Examination. The proportion of the distribution of marks among End Semester and Continuous Assessment shall be 60-40.

Split up of Marks under Choice Based Credit Semester System		
Internal Marks		**Marks**
1	Mid Semester Exam	20
2	Seminar Presentation	20
3	Total	40
End Semester External Marks		60
TOTAL		**100**

XII. SPAN PERIOD

No students shall be admitted as a candidate for the examination for any of the Years/Semesters after the lapse of 4 years from the date of admission to the first year of the M.A. Programme.

XIII. CONVERSION OF MARKS INTO GRADES GRADE POINTS CGPA CALCULATION DIVISION OF DEGREE INTO CLASSES

An alphabetical grading system was adopted for the assessment of student's performance in the course. The grade is based on a 6 point scale. The following table gives the range of marks %, grade points and alphabetical grade.

Range of marks %	Grade points	Alphabetical grade
90-100	9	A+
80-89	8	A
70-79	7	B+
60-69	6	B
50-59	5	C
Below 50	0	F

A minimum of grade point 5 (Grade C) is needed for the successful completion of a course. Minimum credit to be fulfilled for the successful completion of M.A. Economics programme is 76 credits.

Performance of a student at the end of each semester is indicated by the Grade Point Average (G P A) and is calculated by taking the weighted average of grade points of the course successfully completed.

The overall performance of a student is indicated by the Cumulative Grade Point Average (CGPA). The final Grade/mark Card issued at the end of the final semester issued by the university contain the details of all courses taken during the entire programme including those taken over and above the prescribed minimum credits for obtaining the degree. The final grade card shows the percentage of marks, CGPA (corrected to two decimal places) and the overall letter grade of a student for the entire programme. Once the valuation work is over the Pass Board Commitee approves the results and the same will be submitted to the Vice Chancellor for approval. On getting the approval of the Vice Chancellor, the results will be declared. The result of the End Semester Examination is published within 30 days from the date of the last examination.

XIV. ATTENDANCE REQUIREMENT

60% Attendance is required in each semester to attend the end semester examination.

XV. COURSE WISE CONTENT OF M.A ECONOMICS PROGRAMME

The course consists of the core subjects and elective subjects as follows.

MICROECONOMIC THEORY
CORE COURSE
COURSE CODE – MAECO01C01

Aims and Objectives: The course is proposed to give a decent understanding and base to the students in applying the ideas and techniques for microeconomics in the practical field. The expansive destinations of the course is to prepare the students themselves in a complete way with the different parts of the conventional Microeconomic hypothesis just as the most recent improvements in this field and the utilizations of speculations in investigating current monetary issues and to build up the capacity to orchestrate information . Likewise planned to familiarize the students in dynamic with regards to advertise association, intricacy, vulnerability and instructive asymmetry; give experiences into advancements in the regions of general balance and government assistance financial matters; and to prepare the students to apply microeconomic standards in the regions of trade and government assistance. The course is divided into four modules which cover recent developments of the theory of consumer behaviour, theory of production, theory of firm and institutions, product pricing and welfare economics.

Learning Outcomes

1. The information on consumer conduct empowers the student in taking sane purchasing choices and furthermore help a firm to structure appropriate promoting systems.
2. The student gets outfitted with the information and aptitude in viable dynamic under unsure market circumstances.
3. The student comprehends the significance of time assignment and family the executives.
4. The student builds up the expertise for changing over specialized data into monetary connection among info and yield.
5. Develops expertise to decide the homogeneity/non-homogeneity of creation capacities and to assess the yield level for the given information level.

Module-1

Theory of Consumer Choice-1: Risk and uncertainty in demand choices –measuring risk – risk aversion and risk lover – Neumann-Morgenstern method of constructing utility index – Friedman-Savage hypothesis – trade- off between risk and return – the investor's choice problem: household portfolio decisions under conditions of uncertainty – reducing risks and uncertainty – the state preference theory- **Theory of Consumer Choice-II:** Recent developments in the theory of market demand: Attribute theory of demand– inter temporal choice of consumption – pragmatic approach to demand analysis – constant elasticity demand function – distributed lag models of demand – Nerlove's model – Houthakker's and Taylor's model – linear expenditure systems.

Essential Reading

Dominick Salvatore. 2003. *Microeconomics: Theory and Applications*. Oxford University Press.

Koutsyiannis, A (2013), *Modern Microeconomics*, Macmillan Press, London

Supplementary Reading

Hal R. Varian. 2000. *Intermediate Microeconomics: A Modern Approach*. New Delhi: Affiliated East West Press.

Module- 2

Theory of Production& Cost: Production function – types–Cobb- Douglas production function – CES production function – technical progress – equilibrium of the multi product firm –modern theories of cost- linear programming problem-input output analysis- **Imperfect Market Structure:** – collusive and non-collusive oligopoly models –Public policy towards oligopoly: Antitrust laws, predatory pricing, tying. Duopoly models- **Markets with asymmetric information**: market for 'lemons' – Markets signaling-adverse selection-moral hazard-screening-principal agent problem- the winner's curse – efficiency wage theory.Economics of search - search cost - search and advertizing – **EssentialReading**

James M. Henderson and Richard E. Quandt. 2003. *Microeconomic Theory: A Mathematical Approach*. New Delhi: Tata McGraw-Hill Publishing Co. Ltd.

Robert S. Pindyck and Daniel L. Rubinfeld. 2003. *Microeconomics*. Prentice Hall of India.

Koutsyiannis, A (2013), *Modern Microeconomics*, Macmillan Press, London

Supplementary Reading

Hal R. Varian. 2000. *Intermediate Microeconomics: A Modern Approach*. New Delhi: Affiliated East West Press.

Module- 3

Extension of the traditional theory of the firm: Baumol's theory of sales revenue maximization – Marris' model of the managerial enterprise – Williamson's model of managerial discretion – behavioural model of Cyert and March – theory of games – decision theory.

Theory of product pricing: Basic assumptions underlying the traditional theory of pricing – Hall and Hitch report and the 'full cost' pricing principle – the mark-up rule – Bain's limit-pricing theory – Model of Sylos- Labini – Model of Franco Modigliani.

EssentialReading

Robert Y. Awh. 1976. *Microeconomics: Theory and Applications.* John Wiley and Sons.

Koutsyiannis, A (2013), *Modern Microeconomics*, Macmillan Press, London

Supplementary Reading

Robert H. Frank. 2000. *Microeconomics and Behaviour*. Irwin Mc. Graw Hill.

Module- 4

Theory of distribution: Neoclassical approach to distribution- Marginal productivity theory: Product exhaustion theorem: Euler's theorem and the 'adding up' controversy – Clark-Wicksteed-Walras product exhaustion theorem – Keynesian or Neo Keynesian theories of distribution or Alternative distribution theories: Kaldor- modified model of Pasinetti –Alternative widow's cruse models- Classical theory of distribution-The Ricardian model – Marxian theory – Modern theory of distribution or post Keynesian theory of distribution-'degree of monopoly' by Kalecki.

General equilibrium: Interdependence in the economy – partial and general equilibrium –

Walrasian general equilibrium – two-factor, two-commodity, two-consumer general equilibrium model. – existence, uniqueness and stability of general equilibrium – Brouwer's fixed point theorem.

Welfare economics: Criteria's of old social welfare economics- Pareto optimality- New welfare economics-Kaldor –Hicks compensation criteria-Scitovsky criteria-social welfare function- Bergson-Samuelson-Arrows impossibility theorem-Pigouvian welfare economics-point of bliss-theory of second best-Rawlsian concept of justice-Coase theorem

Essential Reading

Hal R. Varian. 2000. *Intermediate Microeconomics: A Modern Approach*. New Delhi: Affiliated East West Press.

David M. Kreps. 2004. *Microeconomics for Managers*. London: W.W. Norton & Co.

William J. Baumol. 2000. *Economic Theory and Operations Analysis*. Prentice Hall of India Pvt.Ltd.

Koutsoyiannis A. 1979. *Modern Microeconomics*, Mac Millan.

G. C. Da Costa. 1992. *Value and Distribution in Neoclassical and Classical Systems*. Himalaya Publishing House, Second Edition.

Supplementary Reading

Edwin Mansfield & Gary Yohe. 2004. *Microeconomics*. W.W.Norton & Co.

John P. Gould, Edward P. Lazear. 2003. *Microeconomic Theory*. Richard D. Irwin Inc.

Robert H. Frank. 2000. *Microeconomics and Behaviour*. Irwin Mc. Graw Hill.

MACROECONOMIC THEORY
CORE COURSE
COURSE CODE – MAECO01C02

Course Objective:
The objective of the course is to introduce the underlying macroeconomic foundations of an economy. The course also will equip the students with theoretical underpinnings of the subject, adequately supplemented with empirics by giving special reference to Indian Economy.

Course Outcomes:
    1. Develop an understanding of how macroeconomics has evolved as a discipline.
    2. To enable students to understand basic concepts of macroeconomics and its
    empirical performance.
    3. Develop an understanding of how fiscal and monetary functions in an economy.

Module I: Introduction - Macroeconomic Measurement- Development of the Subject.
    a. Measuring the Economy's Performance
    b. Overview of National Accounting - Methods of Income estimation - Environmental and Social Dimensions.
    c. Determination of output - Schools of macroeconomic thought- Classical, Keynesian Monetarist, New Classical, New Keynesian, Supply Side Economists, Real Business Cycle Theory and Structuralist School.

Essential Reading

Brian Snowdon and Howard R Vane: Modern Macroeconomics: Its Origin, Development and Current State, 2005.

Richard T. Froyen. Macroeconomics: Theories and Policies, 10th Edition, 2013.
Mankiw Gregory: Macroeconomics, 5th Edition, Worth Publishers, 2002.
Rudiger Dornbusch and Stanley Fischer and Richard Startz: Macroeconomics, 13th Edition, 2018.
Edmund S. Phelps: Seven Schools of Macroeconomic Thought. OUP

Supplementary Reading
Eugene Diulio. *Theory and Problems of Macro Economics*. Singapore: Schaum's OutlineSeries.
McGraw Hill Publishing Company
Soumen Sikdar: Principles of Macroeconomics,2nd Edition, 2011.
Errol Dsouza: Macroeconomics, Pearson, 2009.
Nicoli Nattrass & G. Visakh Varma: Macroeconomics Simplified Understanding Keynesian and Neoclassical
Macroeconomic Systems, Sage 2014.

Module 2: Theories of Consumption and Investment
      a. Consumption Function: Keynes Psychological Law and Kuznet's consumption puzzle, Fisher's
         inter-temporal Choice Model, Permanent Income Hypothesis, Life Cycle Hypothesis and
         Relative Income Hypothesis.
      b. Investment Function: Neo-Classical Theory of Investment, Stock Market and Tobin's q-ratio,
         Accelerator Theory of Investment (simple and flexible models), Keynesian IS-LM model and
         AD-AS models.

Essential Reading
Richard T. Froyen. Macroeconomics: Theories and Policies, 10th Edition, 2013.
Mankiw Gregory: Macroeconomics, 5th Edition, Worth Publishers, 2002.
Rudiger Dornbusch and Stanley Fischer and Richard Startz: Macroeconomics, 13th Edition, 2018.
Brian Snowdon and Howard R Vane: Modern Macroeconomics: Its Origin, Development and Current State,
2005.

Supplementary Reading
Nicoli Nattrass & G. Visakh Varma: Macroeconomics Simplified Understanding Keynesian and Neoclassical
Macroeconomic Systems, Sage 2014.
Soumen Sikdar: Principles of Macroeconomics,2nd Edition, 2011.
Errol Dsouza: Macroeconomics, Pearson, 2009.
Eugene Diulio. *Theory and Problems of Macro Economics*. Singapore: Schaum's OutlineSeries.
McGraw Hill Publishing Company

Module 3: Post Keynesian developments
      a. Inflationary gap, Demand Pull versus Cost Push inflation, the Phillips curve and Lucas Supply
         equation
      b. Real Business Cycle School and inter-temporal substitution of labour- Real Business Cycle
         theory, technology shocks- neutrality of money and flexibility of wages and prices- Real
         Business cycle view on great depression.
      c. Imperfect competition and price setting- Real rigidity- Co-ordination failure models- Real Non
         Walrasian Theories- Small Menu Cost model and Staggering of prices, implicit wage contract
         theory, efficiency wage theory- Insider- Outsider model.

Essential Reading

Rosalind Levasic and Alexander Rebmann.*Macro Economics: An Introduction to Keynesian Neoclassical Controversies.* London: The Macmillan Press Ltd.

Richard T. Froyen. Macroeconomics: Theories and Policies, 10th Edition, 2013.

Mankiw Gregory: Macroeconomics, 5th Edition, Worth Publishers, 2002.

Brian Snowdon and Howard R Vane: Modern Macroeconomics: Its Origin, Development and Current State, 2005.

Rudiger Dornbusch and Stanley Fischer and Richard Startz: Macroeconomics, 13th Edition, 2018.

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Eugene Diulio. *Theory and Problems of Macro Economics*. Singapore: Schaum's OutlineSeries. McGraw Hill Publishing Company

Nicoli Nattrass & G. Visakh Varma: Macroeconomics Simplified Understanding Keynesian and Neoclassical Macroeconomic Systems, Sage 2014.

Soumen Sikdar: Principles of Macroeconomics,2nd Edition, 2011.

Errol Dsouza: Macroeconomics, Pearson, 2009.

Module 4: Monetary and Fiscal Policy in Open Economy Macroeconomics
   a. Fiscal and Monetary Policy - Banking System, Supply of Money, and the Conduct of Monetary Policy
   b. Opening Up the Economy - Determination of the Aggregate Price Level - The Problem of Inflation - Economic Growth

Essential Reading

Richard T. Froyen. Macroeconomics: Theories and Policies, 10th Edition, 2013.

Brian Snowdon and Howard R Vane: Modern Macroeconomics: Its Origin, Development and Current State, 2005.

Rudiger Dornbusch and Stanley Fischer and Richard Startz: Macroeconomics, 13th Edition, 2018.

Soumen Sikdar: Principles of Macroeconomics,2nd Edition, 2011.

Errol Dsouza: Macroeconomics, Pearson, 2009.

Mankiw Gregory: Macroeconomics, 5th Edition, Worth Publishers, 2002.

Supplementary Reading

Eugene Diulio. *Theory and Problems of Macro Economics*. Singapore: Schaum's OutlineSeries. McGraw Hill Publishing Company

Nicoli Nattrass & G. Visakh Varma: Macroeconomics Simplified Understanding Keynesian and Neoclassical Macroeconomic Systems, Sage 2014.

DEVELOPMENT ISSUES OF INDIAN ECONOMY
(WITH SPECIAL REFERENCE TO KERALA)
CORE COURSE
COURSE CODE – MAECO01C03

Objectives

1. The course aims to provide a better orientation and a deeper understanding about the development issues of Indian economy with a special focus on Kerala.

2. It specifically targets to focus on issues like poverty, unemployment, inequality and regional economic integration and problems connected with agriculture industry, foreign trade and balance of payment.

3. The course also aims to impart a detailed profile about the government policy pertains to agriculture, industry and inclusive growth and development etc.

Outcome

1. Conceptual clarity on various dimensions of economic growth and development.
2. A deeper understanding about the vital development issues like poverty, unemployment, inequality etc. in India.
3. A critical understanding of changes, issues and policies with respect to development of Indian and Kerala Economy.

Module-1

Growth Vs Development: Concept, Measurement and Problems-basic need approach- Sustainable Development -Structural changes in Indian Economy since independence–debate on Market – Plan Socialism- Neo Liberalism- Washington Consensus -Structural adjustment Programme- Second Generation Reform-Demographic Changes : Population Statistics- Population policy - Poverty ,Unemployment and inequality-– Concepts and measurements, trend and approaches of Poverty – Amartya Sen. – Entitlement and standard of living approach –Capability approach to poverty – magnitude of unemployment-An assessment of poverty alleviation and employment generation programmes- Inequality–

Essential Reading

A P Thirlwall. 1999. *Growth and Development*. 6th Edition. Macmillan Press Ltd.

Vijay Joshi and IMD Little.1991 and 2001.*India's Economic Reforms*. New Delhi: OUP.

Nayyar Deepak. 2008. *Liberalization And Development: Collected Essays*. New Delhi: OUP.

Bhagavathi Jagadish. 1993. *India in Transition*. New Delhi: OUP.

BimalJalan: 1992. *Indian Economic Crisis: The Way Ahead*. New Delhi: OUP.

AmartyaSen. 1982. *Poverty and Famine: An Essay on Entitlement and Deprivation*. NewDelhi: OUP.

The Standard of Living: Tanner Lectures – CUP.1987 and 2002. *India Development and Participation*. New Delhi: OUP,

A Sen. 1973.*On economic inequality*. Oxford: Clanderon Press.

RBI (website: rbi.org). Database on Indian Economy

Supplementary Reading

Acharya Shanker and Mohan Rakesh. 2011. *India's Economy: Performance and Challenges*. New Delhi :Oxford University Press.

Balakrishnan Pulpare. 2011. *Economic Growth in India, History and Prospects*. New Delhi: Oxford University Press.

Angrej Sing Rana. 2017. *Recent Advances in Indian Economy*. Delhi: Swastic Publication Limited.

Uma Kapila.2018. *Indian Economy Since Independence: A Comprehensive And Critical Analysis of India's Economy 1947-2018*.Academic Foundation.

Nilanjan Banik. 2015. *The Indian Economy: A Macro Economic Perspective*. Sage Publications.

Prankrishna Pal.2008. *Reforms and Structural Changes in India*.Deep and Deep Publication Pvt. Ltd.

Shivani Jaswal, Isha Jaswal, and Manisha Raj. 2012. *Structural Transformations of Indian Economy*. Lambert Academic Publishing.

Rama P Kanungo, Chris Rowley, and Anurag N. Banergee. 2018.*Changing the Indian Economy, Renewal, Reform and Revival*. copy right© Elsevier B.V.

Rabindra Kumar Misra. 2017. *Indian Economy: Past, Present and Future*. New Delhi: Avon Publications.

RBI *monthly bulletin*.

Government of India.*Economic Survey for various years*.

RBI.*Handbook of Statistics for various years*.

Module-2

Agriculture & Industry –changing interrelations -terms of trade between Industry & Agriculture-Markets in agriculture -land and credit markets-New agricultural policies and agrarian crisis- WTO and Indian Agriculture–Revolution in agriculture- concepts of Food Security –Food Availability –National Food Security Mission- Industrial policy of 1991–organized and unorganized sectors –Privatization and Disinvestment- NITI Aayog-Recent developments -Industrial development in India-Rural development in India-Inclusive growth-micro finance-National Rural Employment Guarantee Programme (NREGP)- National Rural Health Mission(NRHM).

Essential Reading

Robert, E B Lucas, and Gustar F Papaneck. 1989.*Indian Economy: Recent Developments and Future Prospects*. New Delhi: OUP.

A D N Bajpai, S K Chaubey, N G Pendsc, and S K Shrivastava. 2007. *Emerging Trends in Indian Economy*. New Delhi: Atlantic Publishers & Distributors.

Basu, Kaushik. 2004. *India's emerging economy*. New Delhi: OUP.

Bimal Jalan. 2000. *India's Economic Policy Preparing for the 21st Century*. 1996. New Delhi:

Penguin.

Patnaik, Prabhat. 1988. *Time, Inflation And Growth: Some Macroeconomic Themes In An Indian Perspective (R.C. Dutt Lectures On Political Economy, 1984*). Orient Longman.

S. S. Tarapore. 2000 and 2006.*Issues in Financial Sector Reforms*. New Delhi:UBS Publishers and Distributors Ltd.,

C. Ram manohar Reddy.2017. *Demonitization and Black Money*.Orient BlackSwan publication.

Tamal Bandyapadhyay .2017.*From Lahman to Demonetization: A Decade of Disruptions. Reforms and Misadventures*. Penguin Books India Pvt. Ltd.

Supplementary Reading

Acharya Shanker and Mohan Rakesh. 2011. *India's Economy: Performance and Challenges*. New Delhi:Oxford University Press.

A Vaidyanathan .2009.*Agricultural Growth in India*. New Delhi: Oxford University Press. AN Agarwal.2001.*Indian Economy: Problems of Development and Planning*. New Delhi: Wishwa Publication.

Angrej Sing Rana. 2017. *Recent Advances in Indian Economy*. Delhi: Swastic Publication Limited.

Uma Kapila.2018. *Indian Economy Since Independence: A Comprehensive And Critical Analysis of India's Economy 1947-2018*.Academic Foundation.

Nilanjan Banik. 2015. *The Indian Economy: A Macro Economic Perspective*. Sage Publications.

Module 3

India & Global Economy –India's share in global trade- BOP position and problems of India-Capital Account Convertibility -Balance of Trade (Export and Import) – Foreign Trade policy-Impact on Domestic Money Supply – Inflation-Debate on WPI vs. CPI– Impact of Demonetization on Indian economy-regional economic integration and Indian Economy.

Essential Reading

Robert, E B Lucas, and Gustar F Papaneck. 1989.*Indian Economy: Recent Developments and Future Prospects*. New Delhi: OUP..

Basu, Kaushik. 2004. *India's emerging economy*. New Delhi: OUP..

S. S. Tarapore. 2000 and 2006.*Issues in Financial Sector Reforms*. New Delhi:UBS Publishers and Distributors Ltd.,

C. Ram manohar Reddy.2017. *Demonitization and Black Money*.Orient BlackSwan publication.

Tamal Bandyapadhyay .2017.*From Lahman to Demonetization: A Decade of Disruptions. Reforms and Misadventures*. Penguin Books India Pvt. Ltd.

Supplementary Reading

Janakarajan S, Venktachalam L and Maria Saleth R.2015.*Indian Economy in Transition: Essays in Honour of C.T Kurien*. Sage Publication.

Shivani Jaswal, Isha Jaswal, and Manisha Raj. 2012. *Structural Transformations of Indian*

Economy. Lambert Academic Publishing.

Rama P Kanungo, Chris Rowley, and Anurag N. Banergee. 2018.*Changing the Indian Economy, Renewal, Reform and Revival*. copy right© Elsevier B.V.

Rabindra Kumar Misra. 2017. *Indian Economy: Past, Present and Future*. New Delhi: Avon Publications.

RBI *monthly bulletin.*

Government of India.*Economic Survey for various years*.

OECD *Economic Surveys-India*. 2017

Government of India.*NSSO reports-various rounds*. Ministry of Statistics and Programme Implementation

RBI.*Handbook of Statistics for various years*.

Module-4

A profile of Kerala Economy since its formation –Model of Development &Sustainability of the model–Structural changes in Kerala Economy– Demographic changes – ageing – health – migration – poverty- unemployment-transformation in labour culture –migrant labour in Kerala, social security of labour -Emerging issues– policies- land reforms -formation of SEZs--Kerala &WTO – Fisheries and Plantation sectors-land market in Kerala–People's plan – role of Panchayat Raj – ICT and development-tourism-women empowerment-role of micro finance-Privatization and human capital formation- Kerala's higher education- Environment Degradation- Fiscal Crisis.

Essential Reading

K.K George. 1993. *Limits to Kerala Model of Development: an analysis of fiscal crisis and its implications*. Trivandrum:CDS,

Parayil, Govindan. 2000. *Kerala: The Development Experience: Reflections On Sustainability And Replicability*. Zed Books.

Frank, Richard and T.M.ThomasIssac.2000.*Local democracy and Development: people's Plan for decentralized planning in Kerala*.

P. P. Pillai. 1994. Kerala Economy Four Decades of Development.

M A Oommen.1993.*Essays on Kerala Economy*. Oxford & IBH Publishing Company.

B A Prakash. 1994. *Kerala Economy Problems and Prospects*. New Delhi: Sage Publications.

Supplementary Reading

B.A.Prakash.2012. *Indian Economy since 1991*. New Delhi: Dorling Kindersly.

Government of Kerala.*Economic Review for various years*.

B.A. Prakash and Jerry Alwin 2018.*Kerala's Economic Development Emerging Issue and Challenges*. New Delhi: Sage publications.

QUANTITATIVE TECHNIQUES FOR ECONOMIC ANALYSIS
CORE COURSE
COURSE CODE – MAECO01C04

Course Objectives

This course is designed to provide knowledge, statistical and mathematical skills with respect to: matrix algebra, summary measures of central tendency and variation/dispersion; summary measures of correlations/association; probability and distributions. This course enables the students to develop the analytical and empirical skills related to various statistical tests necessary to conduct research.

Course Outcome

Students will gain knowledge and skills in handling economic data, analyzing and interpreting with the help of statistical and mathematical methods.

Module I

Matrices-Addition and Subtraction of matrices-Multiplication of matrices-Determinant of matrices-Inverse matrices-Rank of a matrix- Solving Linear equations with the inverse- Crammer's rule for matrix solutions – Solution of simultaneous equations using Cramer's Rule.

Essential Reading

David A Harville. 2001. *Matrix Algebra -Exercises and Solutions*, Springer, New York
Taro Yamane 1962 *Mathematics for Economists- An Elementary Survey*, Prenticehall
Bowers David.1984 *Statistics for Economics*. Macmillan.
Alpha C. Chiang and Kevin Wainwright. 2017. *Fundamental Methods of Mathematical Economics*. McGrawHill education.4th edition
D N Elhance, 2018 *Fundamentals of Statistics*, Kitab Mahal, New Delhi, revised edition

Supplementary Reading

Monga,G.S. 2003. *Mathematics and Statistics for Economists*. New Delhi : Vikas Publications.
A.H. Smith and W. A. Albrecht.1966 *Fundamental Concepts of Analysis,* Prentice Hall.
C.P.Simon and L.E. Blume.1994 *Mathematics for Economists.*WW Norton & Company

Module II

Probability theory- Random Variable- Concept of probability- Different approaches to probability - Theorems of Probability: Addition and Multiplication Theorem- Conditional Probability –Bayes' theorem- Random variables and Probability distribution, Mathematical expectation - Probability Distributions: Discrete and Continuous Distributions: Binomial, Poisson, Normal - Lognormal, Pareto and Normal distributions-properties and applications

Essential Reading

Murray R Spigel.1998.*Probability Theory*.Schaums Outline Series. Mcgraw hill
Murray R Spigel.1975. Theory and problems of Probability and Statistics Schaums Outline Series.Mcgraw hill
Gupta.S.P. 2012 *Statistical Methods*. New Delhi :Sulthan Chand and Sons.

Supplementary Reading

Damodar Gujarathi.2008. *Basic Econometrics*.5th edition.

Agarwal, Bharadwaj and Gupta. 1996. *Quantitative techniques in Economics*. Kalyani Publications.

Kothari.C.R.2013. *Quantitative techniques*. New Delhi: Vikas publishing house. third edition

Module III

Population and Sample-sampling and sample designs-theoretical basis of sampling-methods of sampling- Statistic–Sampling Distribution and Standard Error-Central limit theorem-Distribution of Sample mean - Theory of Estimation: Point estimation and Interval estimation-Properties of good estimator.

Essential Reading

Willaim.G.Kochran.2007. *Sampling Techniques*.Wiley India.

McClave James T, P.George Benson and Terry Sincich. 2000. *Statistics for Business and Economics*. Prentice Hall.

Speigal.M. R and Stephan LJ. 2008. *Theory and Problems of Statistics, 4th edition*Schaum's Outline Series McGraw Hill

Supplementary Reading

Gupta.S.C.2000. *Fundamentals of Applied Statistics*. New Delhi: S.Chand.

Ajay.S.Gaur and Sanjay.S.Gaur. 2009. *Statistical Methods for Practice and Research*. Response Books.

Module IV

Testing of hypothesis- Null and alternative hypothesis- Type I and Type II errors – Critical region –Level of significance-Power of test – Procedure of testing of hypothesis- test of goodness of fit - Tests of significance for attributes - Analysis of Variance techniques- F test and ANOVA –One-way and Two way classification

Essential Reading

Speigal.M. R. 2000. *Theory and problems of Statistics*. London: McGraw Hill.

Willaim.G.Kochran.2007. *Sampling Techniques*.Wiley India.

Ajay.S.Gaur and Sanjay.S.Gaur. 2009. *Statistical Methods for Practice and Research*. Response Books.

Supplementary Reading

Ralph B. D'Agostino and Michael A. Stephens,1986Goodness-of-fit techniques (eds). Marcel Dekker Inc.

Conover WJ. Practical Nonparametric Statistics,1998 3rd edition, New York: John Wiley and Sons.

Siegel and Castellan. 1988. "Nonparametric Statistics for the Behavioral Sciences," 2ndedition, New York: McGraw-Hill.

INTERNATIONAL ECONOMICS
CORE COURSE
COURSE CODE – MAECO02C05

Course Objective
The course aims to provide an understanding of the underlying premises of international trade and capital flows. It aims to focus on the trade policies and institutions shaping global trade and capital flows within a broader historical and theoretical context.

Course Outcomes
1. Equip the students the theoretical foundations of international trade and capital flows.
2. Develop an understanding of the functioning of the international trading apparatus.
3. Help to understand the functioning of the international monetary and financial system.

Module 1: Evolution of International trade theories
Trade theories - Absolute versus comparative advantage - opportunity cost - Basis and gains from trade - Offer curves - Terms of trade - Factors and income distribution- Heckscher-Ohlin (H-O) model - factor endowments - relationship between factor and commodity prices - factor price equalisation theorem - Specific factor -theorem - Factor intensity reversal - Empirical evidence on H-O model - the Leontief Paradox - Theory of imperfect competition -Monopolistic competition and trade - Intra industry trade - Measuring and models - Trade based on technological difference - product cycle model - Transportation costs, Environmental standards, industry location and international trade - International trade and growth of factors of production - Immiserising growth, Technical progress, trade and welfare.

Essential Readings
Dominic Salvatore. 2013. International Economics. John Wiley& Sons, New York.
Paul. R. Krugman, Maurice Obstfeld& Marc Melitz. 2015. International Economics. Pearson.
Robert C Feenstra & Alan M Taylor. 2008. International Economics. 2nd Edition, Worth Publishers, New York.
B O Sodersten and Geofrey Reed. 2003.International Economics. London: Macmillan.

Supplementary Reading
Paul. R. Krugman. 1994. Rethinking international trade, MIT Press
Dominic Salvatore. Schaum's Outline Of International Economics. McGraw Hill.
Module 2: International trade policies and instruments

Trade restrictions - tariffs - partial and general equilibrium analysis of tariffs - Stolper Samuelson Theorem – Rybczynski theorem - Metzler paradox - theory of tariff structure - optimum tariff - quotas and other non tariff barriers - Protectionism and arguments for it - effects of trade restrictions in commodity and factor markets - Case for free trade - policies - negotiations - GATT, Tokyo and Uruguay rounds - Customs union - types, effects and benefits - trade integration and free trade areas - Trade and

development - terms of trade - export orientation versus import substitution - Trade and developing economies.

Essential Readings
Paul. R. Krugman, Maurice Obstfeld& Marc Melitz. 2015. International Economics. Pearson.
Robert C Feenstra & Alan M Taylor. 2008. International Economics. 2nd Edition, Worth Publishers, New York.
Dominic Salvatore. 2033. International Economics. New York: John Wilkey& Sons
B O Sodersten and Geofrey Reed. 2003.International Economics. London: Macmillan.
Robert M Dunn & John H Mutti. 2004. International Economics. Routledge

Supplementary Reading
Sunanda Sen. 2010. International Trade Theory and Policy: A Review of the Literature. Levy Economics Institute of Bard College Working Paper No 635. URL: http://www.levyinstitute.org/pubs/wp_635.pdf
Jagdish Bhagwati. 1964. "The Pure Theory of International Trade", Economic Journal, Vol. 74, pp. 1-78.
Paul. R. Krugman. 1994. Rethinking international trade, MIT Press
Jagdish Bhagwati. 1987. International trade: Selected readings, Second Edition, MIT Press.

Module 3: The Balance of Payments, Foreign Exchange Markets and Exchange Rates
Accounting principles of BoP - Equilibrium and disequilibrium in BOP – Role of reserves – Concepts about payments adjustments – The foreign exchange market– fixed and flexible exchange rates – spot and forward markets, foreign exchange swaps, futures and options – speculation and arbitrage – Exchange rate determination - monetary policy

Essential Readings
Dominic Salvatore. 2013. International Economics. John Wiley& Sons, New York.
Paul. R. Krugman, Maurice Obstfeld& Marc Melitz. 2015. International Economics. Pearson.
Robert C Feenstra & Alan M Taylor. 2008. International Economics. 2nd Edition, Worth Publishers, New York.

Supplementary Reading
Martin Uribe &Stephanie Schmitt-Groh´e. 2014. Open Economy Macroeconomics. URL: https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.644.1492&rep=rep1&type=pdf
Rudiger Dornbusch and Stanley Fischer and Richard Startz: Macroeconomics, 13th Edition, 2018.

Module 4: International Monetary system and Institutions
Evolution of the international monetary system - Gold standards -Bretton Woods - World Bank and the IMF - Open economy macroeconomics - flexible exchange rate system - Financial globalisation - capital flows and crises.
Essential Readings
Paul. R. Krugman and Maurice Obstfeld. 2015. International Economics. Pearson.
Dominic Salvatore. 2033. International Economics. New York: John Wilkey& Sons

B O Sodersten and Geofrey Reed. 2003.International Economics. London: Macmillan.
Robert M Dunn & John H Mutti. 2004. International Economics. Routledge

Supplementary Reading
Martin Uribe &Stephanie Schmitt-Groh´e. 2014. Open Economy Macroeconomics. URL:
https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.644.1492&rep=rep1&type=pdf
Rudiger Dornbusch and Stanley Fischer and Richard Startz: Macroeconomics, 13th Edition, 2018.
Federich S Mishkin.2014. The Economics of Money Banking and Financial Markets.11th Edition, Pearsons.

RESEARCH METHODOLOGY
ELECTIVE COURSE

COURSE CODE – MAECO02E01

Objectives

The course aims to provide the students the fundamental edifice of social science research with broad spectrum of knowledge about the research process. The paper generate the capability and skill on the part of students to prepare independent research project proposals which enable them to undertake research studies in future and improve their academic skills and expertise by involving in research activities.

Outcome

1. Good capability and skill on proper methodological foundations of social research.
2. An in-depth skill to collect data, analyze and interpret it by using appropriate methods.
3. Mastery in drafting research reports, tools and techniques and derive conclusions and policy implications on topics of societal relevance and economic significance.

Module I

Meaning of research-type of research-applied and fundamental-analytical and descriptive- qualitative and quantitative-conceptual and empirical-research methods and research methodology- The relation b/w theory and research-approaches in social research- inductive and deductive methods--interpretive research-Qualitative and content analysis-ethnography and phenomenology-interdisciplinary research-objectivity and ethics in social science research.-Criteria of good research and problems encountered by researchers in India.

Essential Reading

Deepak, Chawla, and Neenasondhi. 2016. *Research Methodology Concepts and Cases*. Noida: Vikas Publishing House Ltd.

Sharlene, Nagy HesseBiber.2006 *The practice of qualitative research*. London: Sage Publishers

Howard, Lane, Bruce L. 2017 Berg. *Qualitative Research Methods for social research*. Pearson.

Ranjith, Kumar. 2014. *Research Methodology A step by Step guide*, London: Sage Publishers.

Kothari, C R. 1990. *Research Methodology, Methods and Techniques*.New Delhi: Wiley Eastern Ltd.

Supplementary Reading

Wilkinson, and Bhandarkar. 2002. *Methodology and Techniques of Social Research*. Himalaya Publishers

Laxmi, Devi. 1997. *Encyclopedia of Social Science Research*. Anmol Publications.

Module II

Selection and formulation of research problem-development of research hypothesis-survey of literature-research design-meaning and contents- types of research design-exploratory and formulative, descriptive and diagnostic, evaluation and experimental, historical and survey design-steps in the research process- Sample Selection-sampling methods-random, stratified, multistage, systematic, cluster, quota, judgement, convenient, purposive samples.

EssentialReading

Francis, C Dane.2010 *Evaluating Research methodology for people who need to Read Research.*London: Sage Publishers

Deepak, Chawla, and Neenasondhi. 2016. *Research Methodology Concepts and Cases*. Noida: Vikas Publishing House Ltd

Howard, Lane, Bruce L Berg.2017 *Qualitative Research Methods for social research*. Pearson.

Goode, W J, and P F Hatt. 1952. *Methods in social Research*. New York: McGraw hill Book Company.

Young, Pauline. 1988. *Scientific social surveys and research*, New Delhi: Prentice Hall India Pvt.Ltd.

Supplementary Reading

William, J Goode, and Paul, K Hatt.1981. *Methods in social Research*, McGraw- Hill.

Wilkinson, and Bhandarkar. 2002. *Methodology and Techniques of Social Research*. Himalaya Publishers

W Lawrence, Neuman. 2006. *Social Research Methods- Quantitative and Qualitative Approaches*. Pearson.

Module III

Methods of data collection- sources of data- primary and secondary data- qualitative method of data collection- observation method—focus group method- case study method - personal interview method and projective techniques - secondary data collection method-benefits and drawbacks.

Essential Reading

Ranjith, Kumar. 2014. *Research Methodology A step by Step guide*, London: Sage Publishers.

Deepak, Chawla, and Neenasondhi. 2016. *Research Methodology Concepts and Cases*. Noida: Vikas Publishing House Ltd.

Kothari, C R. 1990. *Research Methodology, Methods and Techniques*. New Delhi: Wiley

Eastern Ltd.

Young, Pauline. 1988. *Scientific social surveys and research*, New Delhi: Prentice Hall India Pvt.Ltd.

Supplementary Reading

The MLA Handbook for Writers of Association of America. 2009.

W Lawrence, Neuman. 2006. *Social Research Methods- Quantitative and Qualitative Approaches*. Pearson.

Module IV

Sample survey- methods- interview methods- questionnaire method- constructing of questionnaire/interview schedule- criteria for questionnaire designing- physical characteristics of questionnaire- data analysis and techniques- hypothesis and testing- scaling- problems and techniques- writing of report-references and bibliography.

Essential Reading

Kothari, C R. 1990. *Research Methodology, Methods and Techniques*. New Delhi: Wiley Eastern Ltd.

Estelle, M Philipps, and D S, Pugh. 1993 *How to get a Ph.D*. New Delhi: UBS publishers and Distributors Ltd.

Constantinos, N Phellas, Alice, Bloch, and Clive, Seale. 2011.*Structured methods, interviews, questionnaires and observation*.

Sharma, KVS. 2001. *Statistics made simple: Do it yourself*. Prentice Hall India Private Ltd.

G B, Singh. 2017. *Research Methodology with SPSS*. Jaipur: Paradise publishers.

Supplementary Reading

Marc, Blaug. 1992.*The Methodology of Economics or How Economics* Explain. Cambridge University.

PS, Mohanakumar. 1998. *A Handbook on Research Methodology*. Kudavechoor : Right Publishers

PUBLIC ECONOMICS
ELECTIVE COURSE
COURSE CODE – MAECO02E02

Course Objective
The course intends to familiarize students about the rationale for and role of government intervention in economic activities and how the government makes economic decisions. Recent theoretical and empirical developments, especially in the Indian public economics scenario will be explored.

Module 1: Introduction - Government in Market Economy
Market failure and government intervention - Role of state in Allocation, Distribution, Regulation and Stabilization. - Changing role of the state: Issues in a globalizing world with special emphasis on global public goods. • Macroeconomics of Public Finance: The interaction between fiscal and monetary policy and fiscal

stabilization. • Public goods: pure and impure public goods. • Optimal provision of public goods – voting and public choice – preference revelation mechanisms – Lindahl and successors, free riding, mobility. • The theory of clubs and local public goods. • Public goods and the private cost of public goods- Pseudo- market mechanism for Preference Revelation.

Essential Readings
Raghbendra Jha, 2010, Modern Public Economics, 2nd Edition, Routledge,Oxon..
Joseph.E. Stiglitz. 2015. Economics of the Public Sector, W.W. Norton & Company, London.
John Leach. 2004. A course in Public Economics. Cambridge.

Supplementary Readings
Atkinson, A. and Stiglitz, J. (1980), Lectures in Public Economics, McGraw Hill, London.
Charles Tiebout (1956): "A Pure Theory of Local Expenditures." JPE 64, 416-424.
Coase (1974): The Lighthouse in Economics, Journal of Law and Economics, Vol. 17, No. 2. (Oct.1974), pp. 357-376
Feldstein, Martin (2001) The Transformation of Public Economics Research: 1970-2000. URL:
https://www.nber.org/feldstein/publiceconomics.html

Module 2: Public Policy and Taxation
• Normative social choice theory – Arrow's theorem – majority voting – The median voter model – representative democracy. • Positive social choice theory: The Leviathan hypothesis – rent – seeking – lobbying and interest groups. • The conflict between efficiency and equity - horizontal and vertical equity- welfare analysis with uncertainty. • Shifting and Incidence of Tax: The Partial and General Equilibrium Analysis- the Harberger model • Canons of taxation • Theory of Optimal Taxation. • Taxation and economic efficiency. • Issues related to tax policy in developing countries - Indian Tax System: An assessment • Practical Issues of Tax reforms in India • An introduction to MODVAT, CENVAT and Goods and Services Tax (GST)

Essential Readings
Joseph.E. Stiglitz. 2015. Economics of the Public Sector, W.W. Norton & Company, London.
Raghbendra Jha, 2010, Modern Public Economics, 2nd Edition, Routledge,Oxon..
John Leach. 2004. A course in Public Economics. Cambridge
Holley H Ulbrich. 2014. Public Finance in Theory and Practice. 2nd Edition, Routledge

Supplementary Readings
Agno Sandmo (1976): Optimal Taxation: An Introduction to Literature, Journal of Public Economics, 6, pp 37-54.
Alan Peacock (1979), The Economic Analysis of Governments, St. Martin Press, New York.
Atkinson, A. and Stiglitz, J. (1980), Lectures in Public Economics, McGraw Hill, London.
Auerbach, A., and M. Feldstein (1987), Handbook of Public Economics, Vol. 1 &2.North Holland, Amsterdam.
Cullis, J. And Jones, P. (1998), Public Finance and Public Choice, 2 nd Edition, Oxford University Press, Oxford.

Module 3: Public Expenditure Theory & Public Debt
• Pure theory of public expenditure- Empirical evidence on public expenditure theories. • Public Sector Pricing- Pricing of Public Utilities. • Public expenditure management and control • Concept, measurement and magnitude of subsidies. • Social infrastructure and financing of human development. • Growth, nature and composition of public expenditure in India • Sustainability issues of Centre and State expenditure in India •

Issues related to subsidies in India • Social Security and State level pension reforms in India • Measurement and macro-economic impact of deficits- alternative paradigms. • The concept of budget. • Fiscal deficit and interest rates: Analytical and empirical issues. • Public debt burden and intergenerational equity. • Issues related to public debt sustainability. • Trends and developments in Indian Fiscal Policy. • Recent experience with stabilization functions of India government. • Fiscal Responsibility and Budget Management Act: An Evaluation

Essential Readings
Raghbendra Jha, 2010, Modern Public Economics, 2nd Edition, Routledge,Oxon..
Joseph.E. Stiglitz. 2015. Economics of the Public Sector, W.W. Norton & Company, London.
John Leach. 2004. A course in Public Economics. Cambridge.
Richard A Musgrave & Puggy B Musgrave. 1989. Public Finance in Theory and Practice, McGraw Hill.
Richard E Wagnar. 2019. Public Debt as a form of Public Finance. Cambridge University Press.

Supplementary Readings
John Cullis,& Philip Jones. 2009. Public Finance and Public Choice, 2nd Edition, Oxford University Press, Oxford.
Gareth D. Myles 2012. Public Economics, Cambridge University Press, Cambridge.
David N Hyman. 2010. Public Finance: A Contemporary Application of Theory to Policy, Tenth Edition. South-Western, Cengage Learning
Richard W Tresh. 2014. Public Finance: A Normative Theory. 3rd Edition.Academic Press.
Paul A Samuelson. 1954. "The Pure Theory of Public Expenditure." Review of Economics and Statistics, 387-389.
Paul A Samuelson. 1955. A Diagrammatic Exposition of the Theory of Public Expenditures."Review of Economics and Statistics (Nov.)

Module 4: Fiscal Federalism
• Theory of Fiscal Federalism: The decentralization theorem. • Economic efficiency issues in multilevel government. • Assignment issues in multilevel government. • Theory of intergovernmental transfers - Centre-State Financial relations in India - Constitutional provisions and various committee recommendations on sharing of revenue. • Fiscal Decentralization in India in the context of 73rd and 74th Constitutional Amendments. • Implication of recommendations of Finance Commission. • Centrally Sponsored Schemes and its implications for federalism. • Sub national fiscal reforms in India.

Essential Readings
Harvey S. Rosen. 1995. Public Finance 4 th Edition, Richard D. Irwin, Chicago.
Y, V Reddy & G.V Reddy. 2019. Indian Fiscal Federalism. OUP.
M Govinda Rao. 2009. Fiscal Fedaralism in India- Trends and Issues. In Shinichi Ichimura & Roy Bahl Eds. Decentralization Policies in Asian Development.World Scientific Publishing Company.
Amaresh Bagchi. 2005. Readings in Public Finance, Oxford University Press, New Delhi.
Sudipto Mundle and GovindRao.1997. Public Expenditure in India: Trends &Issues in
Public Finance-Policy lssues for lndia (ed.) SudiptoMundle. Calcutta: OUP.
D.N. Dwivedi. 1994. Reading in Indian Public Finance. New Delhi:Wiley Eastern Ltd.

Supplementary Reading
Catriona Purfield. 2004. The Decentralization Dilemma in India. IMF Woring Paper, No. WP/04/32.. URL:
https://www.imf.org/external/pubs/ft/wp/2004/wp0432.pdf

Lekha Chakraborty. 2019. Indian Fiscal Federalism at the Crossroads: Some Reflections. Levy Economics Institute of Bard College.Working Paper No. 937. URL: http://www.levyinstitute.org/pubs/wp_937.pdf

ECONOMICS OF GROWTH AND DEVELOPMENT

ELECTIVE COURSE

COURSE CODE – MAECO02E03

Objectives

The course covers concept, measurement and indicators of economic growth and development, important theories on economic growth and development, role of agriculture, industry and technology in economic development, international aspects of economic development, planning experiences of India and Kerala and financial inclusion and economic development.

Outcome

The course helps the students to identify the development issues and also the basic requirements for economic development of underdeveloped and developing countries.

MODULE-1 GROWTH, DEVELOPMENT AND THEORIES

Growth and Development -An overview-The Historical Records; Kuznet's characteristics- Concept and measurement of economic growth and development-Indicators of Development- – National Income- Percapita Income-Diamensions of Development gap-PQLI –HDI –HPI-Gender Related Development Index(GDI) – Gender Empowerment Measure(GEM) –Multi Diamensional Poverty Index –Inequality and development-Kuznet's hypothesis-Lorenz Curve- Gini-Co-efficient- Sen's Entitlement and Capabilities Approach-Development as freedom-Basic need approach Problems of Development

Essential Reading

J.R. Hicks. 1965.*Capital and Growth*. New Delhi: OUP.
Gunnar Myrdal.1968. *Asian Drama: An Inquiry In to the Poverty of Nations.* II Vol. New York: Pantheon.
World Bank Development Reports for various years.
UNDP.*Human Development Reports for various years.*
Debraj Ray. 2001. *Economics of Development*. New Delhi: Oxford University Press.
AmartyaSen. 1999. *Development as Freedom*. New Delhi: Oxford University Press.
Agalwal and S.P. Singh (Ed). 1985. *The Economics of Underdevelopment*. Delhi: OUP, Delhi.
J.N. Bhagwati (Ed). 1985. *Dependence and Interdependence- Essays in Development Economics.* Vol-1&2,. Bombay: OUP.
Michel P Todaro. 1923. *Economics for Developing World*. London:Longman.
Dreze Jean and Sen Amartya. 1993.*Hunger and public Action*. Delhi: OUP.

Supplementary Reading

Vandana Desai and Robert B Potter. 2008. *The Companion to development studies*-II edn. A hodder viva edn,. New Delhi: Viva books Pvt Ltd
H L Ahuja. 2016. *Development Economics*. Edited by S.Chand.

MODULE-II THEORIES OF GROWTH AND DEVELOPMENT

Classical Theories-Cambridge Growth models- Neo- Classical Growth models- Endogeneous Growth models- Development paradigms- Modernist-Paradigms- Partial theories of growth and development-The stages of growth: Rostow – Surplus Labour :Lewis-Big Push :Rosenstein Rodan- Balanced Growth: Nurkse – Unbalanced Growth: Hirschman – Critical Minimum Effort Thesis:Leibenstein-Low Level Equilibrium Trap: Nelson- Dual Economy Model: Fei and Ranis Model–Circular and Cumulative Causation : Myrdal- Todaro model.

Essential Reading

Gerald M Meier and James E Rench (Ed).2005 *Leading Issues in Economic Development*.8th Edition.
A.P.Thirwall. 2003.*Growth and Development with Special Reference to Development Economics*. Palgrave.
Michael P. Todaro, and Stephen C. Smith. 2004. *Economic Development*, 8th Edition.
Hentry Wan (JR).1971. *Economic Growth*.penguine books.
Bakul H Dholakya and Raveendra H Dholakya. 1998. *Theory of Economic Growth and Technical Progress- An Introduction.*Delhi: MacMillian.
Hywd G Jones. 1976. *An Introduction to Modern Theory of Economic Growth*. McGraw Hill.

Supplementary Reading

Yujiro Hayami and Yoshihisa Godo. 2005. *Development Economics* (3rd Edn). New Delhi: Oxford University Press.
M.P.D.Todaro and S.C.Smith. 2005. *Economic development*. 8th Edition.Person Education. Delhi: Indian branch.

MODULE-III AGRICULTURE, INDUSTRY, CAPITAL AND TECHNOLOGY IN

DEVELOPMENT

Role of Industrialization in Development –factors inhibiting –policies for Industrialisation, agriculture and Economic Development – Agricultural policy in Developing countries – complementary role of industry and agriculture in Development- Globalisation and agriculture- Capital and Development-stages of capital formation- sources-Importance of ICOR--Role of technology in development–Choice of techniques – Significance of capital saving and labour saving techniques- role of Intermediate technology- Issues related to transfer of technology.

EssentialReading

Debraj Ray. 2001. *Economics of Development*. New Delhi: Oxford University Press.
Gerald M Meier and James E Rench (Ed).2005 *Leading Issues in Economic Development*.8th Edition.
A.P.Thirwall. 2003.*Growth and Development with Special Reference to Development Economics*. Palgrave.
Michael P. Todaro, and Stephen C. Smith. 2004. *Economic Development*. 8th Edition.
Hentry Wan (JR).1971. *Economic Growth*.penguine books
Bakul H Dholakya and Raveendra H Dholakya. 1998. *Theory of Economic Growth And Technical Progress- An Introduction.* Delhi: MacMillian.
Hywd G Jones. 1976. *An Introduction to Modern Theory of Economic Growth.* McGraw Hill.
Agalwal and S.P. Singh (Ed). 1985. *The Economics of Underdevelopment*. Delhi: OUP.
Michel P Todaro. 1923. *Economics for Developing World.* London: Longman.
D.Nayyar (Ed). 1994. *Industrial Growth and stagnation: The debate in India*. Oxford University Press.

J.Bhagawati and Padma Desai.1970.*Planning for Industrialisation*.Oxford University Press.
Supplementary Reading

Yujiro Hayami and Yoshihisa Godo. 2005. *Development Economics* (3rd Edn). New Delhi: Oxford University Press.
M.P.D Todaro and S.C.Smith . 2005. *Economic development*. 8th Edition.Person Education. Delhi: Indian branch.
Vandana Desai and Robert B Potter. 2008. *The Companion to development studies*-II edn. A hodder viva edn,. New Delhi: Viva books Pvt Ltd
H L Ahuja. 2016. *Development Economics*. Edited by S.Chand.

MODULE-IV INTERNATIONAL ASPECTS OF DEVELOPMENT AND PLANNING

Role of foreign trade, foreign capital and foreign aid in the Development process- Private foreign Investment –MNCs and Development issues- Public foreign Investment – foreign aid and Development –Tied aid and Untied aid - International Agencies and development- IMF-IBRD IFC ADB and UNDP-Rationale for planning –Types, Tools and techniques in planning-Indian Planning Experiences- NITI Aayog- Micro level planning- Decentralized planning experience in Kerala – Development Plans at the local level in Kerala- Role of micro credit –SHGs- Contributions of Grameen Banks: Examples of Bangladesh and Kerala —Kudumba Sree in the development process

Essential Reading

Debraj Ray. 2001. *Economics of Development*. New Delhi: Oxford University Press.
Gerald M Meier and James E Rench (Ed).2005 *Leading Issues in Economic Development*.8th Edition.
A.P.Thirwall. 2003.*Growth and Development with Special Reference to Development Economics.*Palgrave.
Michael P. Todaro, and Stephen C. Smith. 2004. *Economic Development*. 8th Edition.
Hywd G Jones. 1976. *An Introduction to Modern Theory of Economic Growth*. McGraw Hill.
Agalwal and S.P. Singh (Ed). 1985. *The Economics of Underdevelopment*. Delhi: OUP, Delhi.
J.N. Bhagwati (Ed). 1985. *Dependence and Interdependence- Essays in Development Economics*. Vol-1&2,. Bombay: OUP.
Michel P Todaro. 1923. *Economics for Developing World*. London:Longman.
Sukhomoy Chakraborthy. 1998. *Development Planning –Indian Experience.* Delhi: OUP.
Sukhmoy.Chakrawarti.1998. *Development Planning: The Indian Experience*. India: OUP.
Supplementary Reading

Yujiro Hayami and Yoshihisa Godo. 2005. *Development Economics* (3rd Edn). New Delhi: Oxford University Press.
M.P.D Todaro and S.C.Smith . 2005. *Economic development.* 8th Edition. Person Education. Delhi: Indian branch.
Vandana Desai and Robert B Potter. 2008. *The Companion to development studies*-II edn. A hodder viva edn,. New Delhi: Viva books Pvt Ltd
H L Ahuja. 2016. *Development Economics*. Edited by S.Chand.

ENVIRONMENTAL ECONOMICS
CORE COURSE
COURSE CODE – MAECO03C06

Objectives

The objective of the course is to make students to learn about application of economic theories and tools to the environmental problems and find solution. The paper alerts the students about the burgeoning environmental pollution, depletion of natural resources and also threat to the sustainable development as part of development programmes. It also familiarizes the environmental impact assessment tools and techniques. The paper provides about major natural disasters and a sustainable approach to fight against these disasters and provides better understandings of biodiversity and markets for natural resources. To paper also aims to apply environmental economics for finding solutions to serious environmental problems at different scales including, regional, national and global.

Outcome

The paper enables the students in acquiring the basic skills and knowledge required in the natural resource management of a country for a sustainable existence and also eliciting rational solutions for solving burgeoning environmental problems.

Module I: Economy and the Environment

The Economy and environment – inter linkages between the economy and environment- material balance model and the law of thermo dynamics- environmental ethics- - Economics of sustainable development- key aspects of sustainable development-indicators of sustainability- approaches to sustainable development-Hart wick, Solow approach, safe minimum standard-Daly's operational principle- environmental kuznet curve-environmental accounting.

Essential Reading

Tom, Tietan Berg. 2004. *Environmental and Natural resource Economics*. Pearson.
Prakash, Vohra, and Ragesh, Mehta. 2007. *Environmental Economics*. New Delhi: Common wealth publishers.
Charles, D Kolstad. 2000. *Environmental Economics*. Oxford University Press.
Nick, Hanley, Jason, F Shogren and Ben, White. 2002. *Environmental Economics in Theory and Practice.*
Newyork: Palgrave
Eban, S Goodstein. 2002. *Economics and the environment*. John wiley and sons.
Misra, SP, and Pandy, S N. 2009.*Essential Environmental Studies*. Ane Book Pvt.Ltd
K G Mailer and J Vincent: Handbook of Environmental Economics, Elsevier (2005)

Supplementary Reading
Barbier, Edward B. 1998*The Economics of Environment and Development*. Selected Essays, Edward Elgar, Cheltenham
Tom, Tietenberg. 2011*Environmental and Natural Resource Economics*. New York: HarperCollins Publishers.
Ian, Goldin, and L, 1995Alan Winters.*The Economics of Sustainable Development*, New York: Cambridge University Press .

Module II: Environmental Problems

Water conservation, rainwater harvesting and watershed management –water resources in India- issues and concerns – water ethics-Climate change and Agriculture development –climate change- issues and approach-Disaster management –major disasters-floods, earthquakes, cyclones, landslides-mitigation measures.

Essential Reading
Subashini, Muthukrishanan. 2015. *Environmental Economics*, PHI learning Pvt.Ltd.
Tom, Tietan Berg. 2004. *Environmental and Natural resource Economics*. Pearson.
Prakash, Vohra, and Ragesh, Mehta. 2007. *Environmental Economics*. New Delhi: Common wealth publishers.
Nick, Hanley, Jason, F Shogren and Ben, White. 2002. *Environmental Economics in Theory and Practice.* Newyork: Palgrave
Misra, SP, and Pandy, S N. 2009.*Essential Environmental Studies*. Ane Book Pvt.Ltd
Russel, S, Clifford. 2001. *Applying Economics to environment*. Oxford University Press.
Charles, D Kolstad. 2000. *Environmental Economics*. Oxford University Press.
K G Mailer and J Vincent: Handbook of Environmental Economics, Elsevier (2005)

Supplementary Reading
Barbier, Edward B. 1998*The Economics of Environment and Development*. Selected Essays, Edward Elgar, Cheltenham**.**
Sterner, and Coria. 2011. *Policy Instruments for Environmental and Resource Management*. Francis and Taylor.

Module III: Natural Resource Management

Resource taxonomy- Economics of natural resources –managing renewable and non renewable resources-Environment Impact Assessment (EIA)-Environmental Planning and Management- Biodiversity-magnitude and levels- value of bio diversity and threats to biodiversity- Methods of economic valuation of environment-market based methods-surrogate market methods- simulated market methods- Limitations of environmental valuations.

Essential Reading
Tom, Tietan Berg. 2004. *Environmental and Natural resource Economics*. Pearson.
Aravindkumar. 2004. *Environment and Health*. New Delhi :APH Publishing Company.
Prakash, Vohra, and Ragesh, Mehta. 2007. *Environmental Economics*. New Delhi: Common wealth publishers.
Misra, SP, and Pandy, S N. 2009.*Essential Environmental Studies*. Ane Book Pvt.Ltd
Saxeena, H M. 2006. *Environmental Studies*.RawatPubliations.
Eban, S Goodstein. 2002. *Economics and the environment*. John wiley and sons.
Nick, Hanley, Jason, F Shogren and Ben, White. 2002. *Environmental Economics in Theory and Pra* ctice, Newyork: Palgrave
Subashini, Muthukrishanan. 2015. *Environmental Economics*, PHI learning Pvt.Ltd. *ctice.*
9K G Mailer and J Vincent: Handbook of Environmental Economics, Elsevier (2005)

Supplementary Reading

David, Pearce, and Dominic,□1994.Moran.*The Economic Value of Biodiversity*, London: Earth Scan Publications Ltd.
Sterner, and Coria.□ 2011. *Policy Instruments for Environmental and Resource Management*. Francis and Taylor.

Module IV. Market Failure and Internalisation of Externalities

Market failure and environmental goods-approaches and causes of market failure- market failure and externality- attributes of externality- internalizing externalities, coase theorem-environment as public good-private good- -impure public goods-tragedy of commons-property rights- Instrument for environmental protection- command and control, market based new tools-education, information and voluntary measures-Direct Economic instruments-Pollution fee and polluter pay principle, emission trading rights or tradable market permits, Deposit refund system, performance based , liability- Indirect economic instruments-taxes and subsidies etc

Essential Reading (IVth Chapter)
Tom, Tietan Berg. 2004. *Environmental and Natural resource Economics*. Pearson.
Aravindkumar. 2004. *Environment and Health*. New Delhi :APH Publishing Company.
Prakash, Vohra, and Ragesh, Mehta. 2007. *Environmental Economics*. New Delhi: Common wealth publishers.
Misra, SP, and Pandy, S N. 2009.*Essential Environmental Studies*. Ane Book Pvt.Ltd
Saxeena, H M. 2006. *Environmental Studies*.RawatPubliations.
Eban, S Goodstein. 2002. *Economics and the environment*. John wiley and sons.
Nick, Hanley, Jason, F Shogren and Ben, White. 2002. *Environmental Economics in Theory and Pra* ctice, Newyork: Palgrave.

Supplementary Reading

Subashini, Muthukrishanan. 2015. *Environmental Economics*, PHI learning Pvt.Ltd.

K G Mailer and J Vincent: Handbook of Environmental Economics, Elsevier (2005)

Phaneuf and Requate: 2017.A Course in Environmental Economics: Theory, Policy and Practice, Cambridge University Press

Freeman, Herriges and Kling: 2014.The Measurement of Environmental and Resource Values: Theory and Methods, 3rd ed. RFF Press/Routledge .

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POLITICAL ECONOMY

CORE COURSE

COURSE CODE – MAECO03C07

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Course Objective:
The course aims to teach the fundamental concepts of Political Economy analysis in the MA programme by introducing the historical, political and social premises of the subject matter of contemporary economics. After providing a historical overview of the theories of value, distribution, state and markets the course looks at the rise of capitalism, crises and critiques of the capitalist system while exploring the Marxian and the radical versions of political economy.

Course Outcomes:
1. Develop an understanding of political economy approach for its analytical usefulness than mainstream economics
2. Develop conceptual clarity of the importance of history and relations of power.
3. Develop the capacity to understand and interpret the theories and apply them to economic problems.
4. Develop the capacity to comprehend and articulate perspectives through assignments.

Brief description of modules

Module 1: Introduction to Classical Political Economy – Historical Development & Definitions - Wealth, Value creation, Trade, State and the invisible hand

Essential Readings:
Ben Fine & Dimitris Milonakis. 2009. 'From Political Economy to Economics.' Chapters 1-4.
James A Caporaso & David P Levine. 1992. *Theories of Political Economy*.Introduction & Chapter 1-2

Supplementary Reading
Michael A Veseth & David N Balaam.'Political Economy'.In Encyclopedia Britannica.URL: https://www.britannica.com/topic/political-economy
Vincent Mosco. Chapter 1 in 'The Political Economy of Communication'. URL: https://au.sagepub.com/sites/default/files/upm-assets/26776_book_item_26776.pdf
Robert L Heilbroner. 1999. *The worldly philosophers: The lives, times, and ideas of the great economic thinkers*. URL: http://starbooksfeaa.weebly.com/uploads/5/4/8/6/54869709/the_wordly_philosophers.pdf
Hunt, E. K., & Lautzenheiser, M. 2011. *History of economic thought: A critical perspective*. 3rd ed. & Teachings from the Worldly Philosophy (55-157).
Amit Bhaduri. On the border of economic theory and history.

Module 2: Criticisms of Classical Political Economy – German Historical School – Rise of Capitalism - Marxian Political Economy - Commodity, Prices, Class, Property, Surplus value, Profit, Accumulation

Essential Readings:
Ben Fine & Dimitris Milonakis. 2009. 'From Political Economy to Economics.' Chapters 3-5.
James A Caporaso & David P Levine. 1992. *Theories of Political Economy*.Chapter 3.
Maurice Dobb. 2010. Theories of Value and Distribution Since Adam Smith: Ideology and Economic Theory. Chapter 6.
Immanuel Wallerstein. 1974. *The Rise and Future Demise of the World Capitalist System: Concepts for Comparative Analysis.* URL: http://bev.berkeley.edu/ipe/readings/Wallerstein.pdf
Keith Tribe. 1981. Genelogies of Capitalism. The Macmillan Press.
Milton Friedman.1962. *Capitalism and Freedom* pp. 1–55, 108–37, and 161–90.

Supplementary Reading:
Michael Heinrich. 2004. *An Introduction to the Three Volumes of Marx's Capital*.
URL: http://digamo.free.fr/heinrich.pdf
Jeff Diamanti, Andrew Pendakis & Imre Szeman. 2018. Chapter 69 in 'The Bloomsbury Companion to Marx'

David Harvey. 2010. *A Companion to Marx's Capital*

Louis Althusser and Etienne Balibar. 1968. *Reading Capital.* URL: https://www.marxists.org/reference/archive/althusser/1968/reading-capital/index.htm

R Luxemburg. 1913. The Accumulation of Capital. URL: https://www.marxists.org/archive/luxemburg/1913/accumulation-capital/accumulation.pdf

Hernando de Sotto. 2000. *The Mystery of Capital: Why Capitalism Triumphs in the West and Fails Everywhere else.*

Module 3: Marginal Revolution - Perfect Markets, State, Rationality, Individualism & Economic Growth – Institutions, Evolution and Economic History - Keynesian Political Economy – Economic Approach to Politics – Political Economy of Power, State and Justice

Essential Readings:

Ben Fine & Dimitris Milonakis. 2009. 'From Political Economy to Economics.' Chapters 8-9.

James A Caporaso & David P Levine. 1992. *Theories of Political Economy.*Chapter 6-9.

Allen Drazen. 2009. Chapter 1 in 'Political Economy of Macroeconomics'. URL: https://www.jstor.org/stable/j.ctv346rwp, Alsohttps://assets.press.princeton.edu/chapters/s6819.pdf

David Harvey. 2005. *A Brief History of Neoliberalism.*

Supplementary Reading:

Maurice Dobb. 2010. Theories of Value and Distribution Since Adam Smith: Ideology and Economic Theory

Gary Becker. 1976. *The Economic Approach to Human Behavior.Chapters 1, 8, 12, and 13.*

Frederich Hayek. 1948. *Individualism and Economic Order. Chapters 1, 2, 4, and 5*

Module 4: Neoliberalism **-** Capitalist Crisis, Rise of Finance Capital - Financialisation

Essential Readings:

Rodd Hill &TonyMyatt. 2010. *The Economics Anti-textbook: A critical thinker's guide to Microeconomics*. URL: http://digamo.free.fr/antitext.pdf

Immanuel Wallerstein. 1974. *The Rise and Future Demise of the World Capitalist System: Concepts for Comparative Analysis.* URL: http://bev.berkeley.edu/ipe/readings/Wallerstein.pdf

Giovanni Arrighi. 2010. *The Long Twentieth Century: Money, Power, and the Origins of Our Times*.

Joseph Schumpeter. 1942. *Capitalism, Socialism and Democracy*.

Frederich Hayek. 1944. *Road to Serfdom.* URL:https://mises.org/library/road-serfdom-0

Boltanski, Luc, and Eve Chiapello.1999.*The New Spirit of Capitalism*.Verso.

Paul Baran and Paul Sweezy. 1966. *Monopoly Capital*.Monthly Review Press

George Akerlof., and Robert J. Shiller. 2009. *Animal Spirits: How Human Psychology Drives the Economy, and Why It Matters for Global Capitalism.*

Samir Amin.1970. *Accumulation on a world scale*

Rudolf Hilferding.1910. *Finance Capital*. URL: https://www.marxists.org/archive/hilferding/1910/finkap/

David Harvey. 2001. *Spaces of Capital: Towards a Critical Geography*.

Supplementary Reading:

Paul Baran. 1957. *Political Economy of Growth*.

A Gramsci. 1999. *Selections from Prison Notebooks*. URL:http://abahlali.org/files/gramsci.pdf

Karl Polanyi.1944. *The Great Transformation: the Political and Economic origins of our Time*. URL: https://inctpped.ie.ufrj.br/spiderweb/pdf_4/Great_Transformation.pdf

Immanuel Wallerstein. 2004. *World Systems Analysis: An Introduction*.

Ellen Wood. 1995. *Capitalism and Human Emancipation: Race, Gender, and Democracy*

Chandra Talpade Mohanty. 2003. Feminism Without Borders: Decolonizing Theory, Practicing Solidarity

Neil Smith. 1984. *Uneven Development: Nature, Capital, and the Production of Space*

ECONOMETRICS
CORE COURSE
COURSE CODE – MAECO03C08

Course Objectives

This course helps the students to develop the analytical and empirical skills necessary to understand the formulation of economic theory and also enable them to formally represent economic relationships using mathematical and econometric tools and provide meaningful interpretations of these representations. Students will be able to analyze empirically economic relationships using simple, multiple regression, or simultaneous equation techniques. This course enables the students to develop the analytical and empirical skills relating to use of dummy variables and lag variables

Course Outcome

      1. Develop an understanding of various econometric models used in estimation process

      2. To enable students to understand various concepts related to errors in estimation

      3. Enable the students to gain knowledge and skills in handling different types of econometric data.

Module 1

Definition and scope of Econometrics - methodology of econometrics- specification of model – model estimation– model evaluation -two variable regression analysis- estimation and testing- standard error, student t/Z test- coefficient of determination and F test- econometric problems- autocorrelation, multicolinearity and hetroscedasticity – reasons, tests consequences and remedies

Essential Reading

      Klien L.R..1962 *Introduction to Econometrics*. New Jersy: Prentice Hall Inc. Englewood Cliffs.
      Damodar N. Gujarati.1992. *Essentials of Econometrics*.McGraw Hill.
      Damodar N. Gujarati.2000. *Econometrics*.

Supplementary Reading

      G. M. K Madnani.2015. *Introduction to Econometrics: Principles and Applications*.CBS publishers & distributors.8th edition
      Wooldridge, Jeffrey M. 2003. *Introductory Econometrics: A Modern Approach,* Second Edition. USA: Thomson South Western.

Module – II

Dummy variables- Use of dummy variables- Regression on dummy variables dummy variable trap – Dummy dependent variable models- LPM, Logit, Probit,Tobit Models -Lagged variables - Regression with Lagged Variables – Distributed Lag Models.- estimation of distributed lag models – auto regressive schemes estimation procedure

Essential Reading

      Damodar N. Gujarati1995. *Basic Econometrics*.McGraw Hill.
      Michael D. Intriligator.1980. *Econometric Models, Techniques and Applications*, New Delhi: Prentice Hall of India.

A. Koutsoyiannis.2004. *Theory of Econometrics*. Palgrave.

Greene, W. 2008.*Econometrics Analysis*. Pearson.

Johnston, J. and John DiNardo, 1997.*Econometric Methods*. 4th Edition, London: McGraw-Hill Companies Inc.

Supplementary Reading

Pindyck, Robert S. and Daniel L. Rubinfeld .1995.*Econometric Models and Economic Forecasts*. 4th Edition New York: Irwin McGraw-Hill.

Ramanathan, Ramu .2000. *Introductory Econometrics with Applications*.5th Edition.New Delhi: Cengage Learning India Pvt. Ltd.

Module – III

Simultaneous equation model – nature – simultaneous equation bias –structural and reduced form model- Identification problem- recursive models- indirect least squares -two stage lease square - three stage least square

Essential Reading

A. Koutsoyiannis.2004. *Theory of Econometrics*. Palgrave.

Greene, W. 2008.*Econometrics Analysis*. Pearson.

Johnston, J. and John Di Nardo, 1997.*Econometric Methods*. 4th Edition, London: McGraw-Hill Companies Inc

Supplementary Reading

Raw and Miller. R.L.,1959. Applied Econometrics, PHI, Delhi

Michael D. Intriligator.1980. *Econometric Models, Techniques and Applications*, New Delhi: Prentice Hall of India.

Module – IV

Time Series Analysis: Stationarity; Autocorrelations and Partial Autocorrelation Functions; Unit roots and Units roots tests; ARIMA modelling - Limitations of time series analysis

Essential Reading

Johnston. J. 1972. *Econometric Methods*. New York: McGraw Hill Book Company.

Klien L.R. A. 1974.*Text Book of Econometrics*. New Jersey: Prentice Hall Inc. Englewood Cliffs.

Maddalla G.S.1977. *Econometrics*. New York: McGraw Hill.

Desai, Meghand. 1976. *Applied Econometrics*. New York: McGraw Hill Book Co.

Baltagi, B. H. 2008. *Econometric Analysis of Panel Data*.4th edition, John Wiley.

Enders, Walter .2009. *Applied Econometric Time Series*. 3rd Edition, Wiley

Everitt, Brian S and Dunn, Graham. 2001. *Applied Multivariate Data Analysis*. Second Edition. Arnold.

Supplementary Reading

Thomas, R.L .1993. *Introductory Econometrics: Theory and Applications*. London : Longman.

Patterson, Kerry .2001. *An Introduction to Applied Econometrics – A Time Series Approach*. London: MacMillan Press Ltd.

POPULATION STUDIES
ELECTIVE COURSE
COURSE CODE – MAECO03E04

Aims and Objectives

The basic objective of this paper is to introduce the students to the scope and importance of the discipline of population studies. The students are expected to get clear idea of the evolution and the scope of the discipline, past, present and future scenario of population growth and sex age structures of the world, major regions and India. They will familiar with various sources of demographic data with a focus on India.

Learning Outcome

Students will be able to distinguish among different terms used for fertility and mortality study also understanding about population dynamics.

Module-1

 Population studies-Meaning-Nature-Scope-Importance-basic concepts- Population data- Methods and Sources-World population growth and distribution- Population growth in India and Kerala- Theories of Population growth- Karl Marx's theory of population growth-Malthusian- Optimum and Demographic Transition Theories of Population- views of C. P. Blacker, Boserup. Biological Theories of Population; Socio- economic theories of population views of Marx and Leibenstein; Approaches of Meadows, and Simon.Human development and millennium development goals. Structure and characteristics of Indian Population- Sex and Age structure- Marital status- Literacy and Education-Religious composition-Ethnic composition- Health- Life Expectancy Index- Population Ageing- Ageing in India and Kerala- Emerging Issues- gender issues and development

Essential Reading

Asha A. Bhande and Tara Kanikkar. 1988. *Population Studies*. Himalaya Publishing House.
Prasad P.K. 1990. *Population Planning, Policy and Programme*. New Delhi: Deep and Deep Publications.
Colin Neuwell. 1998. *Methods and Models in Demography*. London: Belhaven Press.
Peter R. Cox. 1989. *Demography.* New Delhi:Universal Book Stall.

Supplementary Reading
D. S. Adhikari. 2008. *Population challenge and world crisis: documents and case studies*. New Delhi: cyber tech publications.
Samuel H Preston, Patrick Heuveling and Michel Guillot. 2001. *Demography:Measuring and Modeling Population Processes*.U.K and U. S. A: Black well Publishers.
Module-2

Population Dynamics- Mortality- Measures of Mortality- Use of Life- Table Techniques- Sex and Age Pattern of Mortality- Mortality Differentials- Level and Trends in Mortality- Fertility- Level and Trends- Nature of Fertility- Measures- Differentials in Fertility- Theories of Fertility- Nuptiality- Marital Status- Mean age at marriage- Widowhood and Divorce-Population trends in modern economic growth-Mass education and fertility decline-co-operation, inequality and the family (Amartya Sen).

Essential Reading

P.G.K. Panikar and C.R. Soman. 1985. *Health Status of Kerala.* Trivandrum: Centre for Development Studies.
Demeny and Geoffrey Menicoll. 1998. *Population and Development*. Earth Scan Publications.
D.J. Bogue. 1971. *Principles of Demography*. Wiley.
Supplementary Reading
Hansraj.*Population Studies with special reference to India*. New Delhi: Surjit Publications.
Module- 3

Migration and Urbanization -Basic concepts- Importance- Types of Migration- Migration Differentials- Levels and Trends of Migration- Socio- Economic aspects of Migration-Theory of Migration- Techniques of Measurement of Migration- Urbanization – Distribution and Trends in Urban Population- Measures- Factors affecting Urbanization.

Essential Reading

Rajendra K Sharma. 2007. *Demography and Population Problems*. Atlantic Publishers
D.J. Bogue. 1971. *Principles of Demography*. Wiley.
Supplementary Reading
Hansraj.*Population Studies with special reference to India*. New Delhi: Surjit Publications.
Module-4

Population Projection and Population Policies in India- Population problem, Family planning and family welfare-Population Projection and Estimation- Methods and Importance of Population Projections- use of population data in development planning-Population Policies and Programmes in India-India's Experiences-Population growth and socio economic development, environment and health-Conceptual issues and linkages with environment and health- population and health, population and poverty.

Essential Reading

B.D. Misra. 1980. *An Introduction to the study of population*. South Asian Publishers.
Rajendra K Sharma. 2007. *Demography and Population Problems*. Atlantic Publishers.
Supplementary Reading
Hansraj.*Population Studies with special reference to India*. New Delhi: Surjit Publications.
B. A. Prakash and V. R. Prabhakaran Nair. 2008. *Kerala's Development Issues in the New Millennium* . New Delhi: Serials publications.
B. A. Parkash. 2004. *Kerala's Economic development- Performance and Problems in the post liberalized period*. Second edition, New Delhi: Sage Publication.

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AGRICULTURAL ECONOMICS

ELECTIVE COURSE

COURSE CODE – MAECO03E05

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Objectives

The course gives an idea on agricultural economics, role of agriculture in economic development, theoretical basis for agricultural development, interrelation ship between agriculture and industry, problems and policies for agriculture development, economic decision in agriculture production, agriculture price policy and marketing, agriculture credit, impact of globalization and WTO on Indian agriculture and performance and constraints in agriculture sector in Kerala.

Outcome

This course will provide students with an in-depth understanding of the issues relating to Indian agriculture and farmers welfare. The focus is on analyzing structural patterns in Indian agriculture, and how policies have influenced farmers' choices and incomes. Students will be able to participate in decision making related to the agricultural sector, and to have sufficient background to undertake independent research in this area.

Module – 1

Nature and scope of Agricultural Economics – Role of agriculture in economic development – Theories of agricultural development – Schultz, Mellor, Fei- Ranis and Arthur Lewis, Boserup, Kuznets's Formulations and recent developments – Inter-relationship between agriculture and industry – Terms of trade between agriculture and industry- Agricultural Economics a subject of research.

Essential Reading

T. W. Shultz. 1965. *Transforming traditional Agriculture*.New Haven, London Yale, University Press.

J. W. Mellor.1966 *The Economics of Agricultural Development*. Bombay: Vora & Co.

W. A. Lewis. 1954 *Economic Development with unlimited supplies of labour.*

Boserup, E. 1993.*Conditions of agricultural growth : The economics of agrarian change under population pressure,* Routledge.

Karl Eicher, and Lawerence Witt. 1964 *Agriculture in Economic Development*. Macgraw hill

O. S. Srivastava.2010 *Theoretical Issues in Agricultural Economics.*Anmol Publications

Uma Kapila. 2005.*Understanding the Problems of Indian Economy*. Academic Foundation

H. Evan Drummond, Jhon W Goodwin (2004), Agricultural Economics, Pearson Education, Delhi

Supplementary Reading

A. Rudra.1982. *Indian Agricultural Economics-Myth and realities.*New Delhi: Allied publishers.

P.C. Bansil .1977. *Agricultural Problems in India.*Intl Book Distributors. 2 edition.

Anwarul Hoda. 2001. *WTO agreement in Indian Agriculture*. New Delhi: Social Science Press,

Module – II

Agricultural Development in India – Agricultural policy since independence – Institutional and technological changes in Agricultural sector – Impact of agricultural development on environment – Organic farming – Second Green Revolution – Problems of agricultural development – National Commission on Farmers – Recent policy framework in Indian agriculture – Impact of WTO- Agreements on Agriculture – Trade liberalization and agricultural exports – Globalization and Indian agriculture – Agriculture in the context of Covid-19 pandemic.

Essential Reading

G. S. Bhalla. 1995. *Globalization & Agricultural Policy in India*. Indian Journal of Agricultural Economies. Vol. 50, No. l, January-March

C. H. Hanumantha Rao. 1995. *Liberalization of Agriculture in India.* Indian Journal of Agricultural Economics.Vol.50, No. 3, July-September.

D. Rudrappan. 2003. *Economic Reforms and Agriculture*. Yojana, Vol. 47, No. 11, November.

C. H. Hanumanha Rao. 2001. *WTO and Viability of Indian Agriculture.* Economic & Political Weekly, September 8-14, 2001, Vol. XXXVL, No. 36

P. K. Singh. 2003. *Reforms in the Agricultural Sector*. Yojana, Vol. 47, No. 11, November.

Supplementary Reading

E.O. Heady. 1961. *Economics of Agricultural Production and Resource use.* Prentice Hall.

C. H. Hanumantha Rao. 1965.*Agricultural Production Function Costs and returns in India*.Tata McGraw Hill.

Websites of Agricultural Statistics, Agricultural Network Information Centre. State Planning Board.Planning Commission.

Current articles related to various modules in EPW. Indian Journal of Agricultural Economics, AERR, Agricultural Situations in India, JRD, Yojana and other referred journals.

Module – III

Economic Decision in Agricultural Production – Production Function in Agriculture and forms of Production Functions-Cobb Douglas, Spill Man – Resource use and efficiency – Systems and types of farming – Agricultural subsidies – Risk and Uncertainty in Agriculture – Crop insurance – Futures trading-Demand and supply of agricultural products – Characteristics of demand and supply –Cobweb theorem – Agricultural prices –Agricultural price policy and food security in India – Agricultural marketing – Market structures and imperfections– Marketing costs – Regulated markets – Marketed and marketable surplus - Present system of agricultural marketing in India – Agricultural credit – Structure and problems of credit in India.

Essential Reading

C. A. Robertson. 1977*An Introduction to Agricultural Production Economics and Farm Management*

Karl Eicher, and Lawerence Witt. 1964 *Agriculture in Economic Development*. Vora & Co

R. K. Lekhi, and Joginder Singh.2015 *Agricultural Economics* –An Indian perspective Kalyani Publisher

R. Desai.2013 *Agricultural Economics*. Himalaya Publishing House

S. A. R. Bilgrami. 2017 *An Introduction to Agricultural Economics*.Himalaya Publishing House.

Supplementary Reading

A Rudra .1982.*Indian Agricultural Economics-Myth and realities*. New Delhi: Allied publishers.

P.C. Bansil. 1977. *Agricultural Problems in India.* Intl Book Distributors. 2 edition.

Module – IV

Agricultural performance of Kerala – Trends in agricultural growth – Land reforms– Shift in cropping pattern – Group farming – Lease land farming – Current problems of the agricultural sector – farm size – productivity relationships – labour absorption and gender issues in agricultural services– Distribution of gains – Technological changes – Indigenous practices – Bio-technological practices – Organic farming practices in the state – Sustainable agriculture – Emerging constraints and prospects of agricultural development in Kerala, since the floods and covid-19 pandemic.

Essential Reading

M. A. Oommen. 2009 *Kerala Economy Since Independence*.Oxford & IBH Publishing Co.

B.A. Prakash 1994(Ed).*Kerala Economy Problems and Prospects*. New Delhi: Sage Publications.

M. A. Oommen (Ed).1999 Rethinking Development-*Kerala's Development Experience – II*.Institute of Social Science, Concept Publishing Co.

B. A. Prakash. 1999 (Ed).*Kerala's Economic Development, Performance and Problems in the Post Liberalization Period*. New Delhi:Sage Publications.

Karunakaran. N, "Economic and environmental impacts of changing cropping pattern: A Kerala experience", Indian Economic Journal, Vol. 60, No. 4, pp:102-124, March 2013

Karunakaran. N, "Shift to rubber cultivation and consequences on environment and food security in Kerala", Journal of Rural Development, Vol. 32, No. 4, pp:395-408, October-December 2013

Karunakaran. N, Crop Diversification for Sustainable Agriculture, Pointer Publishers, Jaipur,India, January, 2015.

Srikumar Chattopadhyay and Richard W Franke .2006.*Causes of concern: land use change, Striving for sustainability, Environmental stress and Democratic initiatives in Kerala.* New Delhi: Concept Publishing Company.

Mohandas.M .2005.*Agricultural Development in Kerala; in Kerala Economy- Trajectories, Challenges and Implications* (Ed), by Rajasenan D and Gerald de Groot.

K.P.Mani .2009.*Cropping pattern in Kerala - spatial inter-temporal analysis. Kerala Economy: Trends during the post-reform period* (Ed), by Rajan K. New Delhi: SerialsPublications.

Karunakaran N and Sadiq MS, "Socio economic aspect of organic farming practices for improving farmer's income in some locations of Kerala, India", Bangladesh Journal of Agricultural Research, Vol. 44, No. 3, pp:401-408, September 2019.

Sinitha Xavier, Economics of Organic Farming in India (Ed), Shanlax Publications, Madurai, India, August 2019

Supplementary Reading

Websites of Agricultural Statistics, Agricultural Network Information Centre. State Planning Board.Planning Commission.

Current articles related to various modules in EPW. Indian Journal of Agricultural Economics, AERR, JRD, Agricultural Situations in India. Yojana and other referred journals.

FINANCIAL INSTITUTIONS AND MARKETS
CORE COURSE
COURSE CODE – MAECO04C09

Objectives

The course provides an overview of financial system, structure and its role, conceptual idea on financial development, relation between financial system and economic development, functions, components and developments of financial markets,Financial sector reforms,structure and growth of non-banking financial institutions, innovations and developments of financial services and instruments and knowledge on global financial markets.

Outcome

The course helps the students to understand the financial system and its role in economic development. The students acquire a comprehensive knowledge about the role of financial market in investment decisions in stock markets and create an ability to make security analysis and promote them to make better investment decision for the development of the economy.

Module I

Financial system-structure, nature and role of financial system-classification of financial institutions- financial system and Economic development- indicators of financial development- criteria to evaluate a financial system- concepts of financial development -financial innovation- financial engineering-financial revolutions –diversifications- disintermediation- financial repression- prudential regulation- internationalization and globalization-securitization.

Essential Reading

L.M.Bhole. 2007.*Financial institutions and Markets*. New Delhi: McGraw Hill company.

L M Bhole and Jitendra Mahakud. 2017. *Financial institutions and Markets*. New Delhi: McGraw Hill Education Private Ltd.

M.Y Ghan. 2008. *Indian Financial system*. New Delhi: McGraw Hill company.

Meir Kohn. 2007. *Financial institutions and Markets*. UK: Tata Mc GRaw Hill.

S Guruswamy. 2009. *Financial Institutions and markets*. UK: Tata McGraw Hill.

Rajesh Chakravarty. 2009. *The financial sector in India*. Oxford.

Pallale V Bharati. 2012. *Indian Financial system*. New Delhi: Pearson.

Meir Kohn. 2017. *Financial Institutions and Market*. NewYork: Oxford University Press.

Niti Bhasin. 2017. *70 years of Banking system in India*. New Century publication.

Trends and Progress of Banking India, RBI various issues

Supplementary Reading

Rajesh Chakra Bharthi. 2006. *The Financial Sector in India:*

Emerging Issues. New Delhi: Oxford University Press.

Mohanan S and Benson Kunjuu Kunju. 2012. *Financial Markets and Financial Services in India*. New Delhi: New Century Publication.

Bhavesh Bhatt. 2013. *Financial Economics*. Vista Publication.

Machiraju H.R. 2018. *Indian Financial System*. Vikas Publishing Ltd.

Module II

Financial market-meaning-classifications-money market-objectives – functions-importance- components-call money market-treasury bill market-commercial bill market-certificate of deposit Market- bond market, stock market, derivatives market Acceptance Market-collateral loan Market-Capital market- objectives-functions-importance-structure-primary and secondary market-stock exchange-meaning and functions- Stock exchanges in India-SEBI.-Financial sector reforms .

Essential Reading

L.M.Bhole. 2007.*Financial institutions and Markets*. New Delhi: McGraw Hill company.

L M Bhole and Jitendra Mahakud. 2017. *Financial institutions and Markets*. New Delhi: McGraw Hill Education Private Ltd.

M.Y Ghan. 2008. *Indian Financial system*. New Delhi: McGraw Hill company.

Meir Kohn. 2007. *Financial institutions and Markets*. UK: Tata Mc GRaw Hill.

S Guruswamy. 2009. *Financial Institutions and markets*. UK: Tata McGraw Hill.

Meir Kohn. 2017.*Financial Institutions and Market*. NewYork: Oxford University Press.

Supplementary Reading

Avadhani V A. 2003. *Investment and Securities Markets of India*.Himalaya Publishing House.

Thomas, Susan. 2003. *Derivatives Markets in India*.Tata McGraw-Hill.

RBI Bulletin. *CMIE Reports*.Prime Data Base.sebi.com, nseindia.com, bseindia.com.

R.E.Bailey. 2005.*The Economics of Financial Markets*.New York: Cambridge Private Ltd.

Mohanan S and Benson Kunjuu Kunju. 2012. *Financial Markets and Financial Services in India*. New Delhi: New Century Publication.

Bhavesh Bhatt. 2013. *Financial Economics*. Vista Publication.

H.R.Machiraju.2018. *Indian Financial System*. Vikas Publishing Ltd.

Module III

Non-Banking Financial Intermediaries- insurance companies-miscellaneous NBFIs –structure and growth-role and functions-Hire purchase-lease finance-Housing finance-Merchant Banking- venture capital- mutual funds –credit rating agencies-debt securitization –disinvestment-insider rating-corporate restructuring.

Essential Reading

L.M.Bhole. 2007.*Financial institutions and Markets*. New Delhi: McGraw Hill company.

L M Bhole and Jitendra Mahakud. 2017. *Financial institutions and Markets*. New Delhi: McGraw Hill Education Private Ltd.

M.Y Ghan. 2008. *Indian Financial system*. New Delhi: McGraw Hill company.

Hazel J Johnson. 2000. *Global financial institutions and Markets*. UK: Mc Graw Hill company.

Supplementary Reading

Mohanan S and Benson Kunjuu Kunju. 2012. *Financial Markets and Financial Services in India*. New Delhi: New Century Publication.

Bhavesh Bhatt. 2013. *Financial Economics*. Vista Publication.

Machiraju H.R. 2018. *Indian Financial System*. Vikas Publishing Ltd.

Module IV

Global Financial markets- global innovative instruments-global foreign exchange market-global banking-offshore banking -global equity market and major global financial market- new generation banks- Digital technology in banking sector - internet banking-Mobile banking- digitization of financial services-RTGS-NEFT-CFMS-CTS-MICR- speed clearance-E wallet- plastic money- its merits and demerits.

Essential Reading

Meir Kohn. 2007. *Financial institutions and Markets*. UK: Tata Mc GRaw Hill.

S Guruswamy. 2009. *Financial Institutions and markets*. UK: Tata McGraw Hill.

Rajesh Chakravarty. 2009. *The financial sector in India*. Oxford.

Pallale V Bharati. 2012. *Indian Financial system*. New Delhi: Pearson.

Meir Kohn. 2017. *Financial Institutions and Market*. New York: Oxford University.

Siddaih Thumnulari. 2016. *Financial services*. Pearson.

Supplementary Reading

Avadhani V A. 2003. *Investment and Securities Markets of India*.Himalaya Publishing House.

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Module – II (Theory of Demand)

Maximization of utility - demand functions - Elasticity - Properties of demand functions - Slutsky equation - Direct and cross effects - Separable and additive utility functions - Homogeneous and homothetic utility functions - Indirect utility function - Duality in consumption - Roy's identity- Linear expenditure systems - Constant elasticity models – The problem of choice involving risk – Expected utility - Risk and insurance-

Essential Reading

Krishna K.L. (ed.). 1997. *Econometric Applications in India.* New Delhi*:* Oxford University Press.
Amitabh Kundu, et. Al. 1976.*Input Output framework and Economic Analysis.*New Delhi: Centre for the study of Regional Development.
David. F. Heithfield and Soren Wibe.1987. *Introduction to Cost and Production Function.,*Macmillan Education Ltd.

Supplementary Reading

Michael Hoy. 2011. *Student's Solution Manual for Mathematics for Economics*.
Akira Takayama. 1993. *Analytical Methods in Economics*.
Michael D.Intriligator. 1971. *Mathematical Optimization and Economic Theory*.

Module –III (Theory of Production)

Production function Cob-Douglas production function - CES production function - VES production function – Cost function: Derivation of cost as a function of output- Empirical cost function -.Input demand function

Essential Reading

Yamane, Taro (1975), Mathematics for Economists, PHI, New Delhi.
Allen, R.G.D.(1974), Mathematical Analysis for Economists, Macmillan Press, New Delhi. 3 Gupta, S.C.(1993)
Amitabh Kundu, et. Al. 1976.*Input Output framework and Economic Analysis.*New Delhi: Centre for the study of Regional Development.
David. F. Heithfield and Soren Wibe.1987. *Introduction to Cost and Production Function.,*Macmillan Education Ltd.

Supplementary Reading

Chiang, A.C.(1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
Handry, A.T.(1999), Operations Research, PHI, New Delhi.
Layard, P.R.G. and Walters, A.W.(1978), Microeconomic Theory, McGrawHill, London.
Stigler, G.(1996), Theory of Price, PHI, New Delhi.
Varian, H.R. (2000), Microeconomic Analysis, W.W. Norton, New York.

Module - IV (Mathematical models related to Market and Behavioral Economics)

Perfect Competion- Monopoly and profit maximisation - Price discrimination - Taxation and monopoly – Multiple plant and multiple product monopoly - Revenue maximization monopoly - monopoly in the input market – Oligopoly-duopoly market- Cournot- Nash model – Stackelberg model - Sweezy model -Theory of games: Two person zero-sum game - Pure and mixed strategy –

Saddle point theorem- Behavioral economics-concepts - Bounded rationality decision making model – models of prospect and nudge theory

Essential Reading

J.M. Henderson and R.E.Quandt.1980.*Microeconomic Theory a Mathematical Approach.*Me. Graw Hill International Ltd.

Sydsaeter, Knut and Peter Hammond.2002.*Essential Mathematics for Economic Analysis.*England : Prentice Hall: Harlow.

Eugene Silberberg.1990. *The Structure of Economics a Mathematical Analysis* (Second Edition). Mc Graw Hill International (ed).

Cunningham, Lawrence A. 2002. *Behavioral Finance and Investor Governance.* Washington & Lee Law Review.

Diamond, Peter; Vartiainen, Hannu (2012). *Behavioral Economics and Its Applications.*Princeton University Press.

Hens, Thorsten; Bachmann, Kremena (2008). *Behavioural Finance for Private Banking.*Wiley Finance Series.

Supplementary Reading

Alpha C . Chiang- Kevin Wainwright. 2005. *Fundamental Methods of Mathematical Economics.*

Lawrence E. Blume, Carl P. Simon .1994.Mathematics for Economists.

Shleifer, Andrei (1999). *Inefficient Markets: An Introduction to Behavioral Finance.* New York: Oxford University Press.

Thaler, Richard H (2016). *"Behavioral Economics: Past, Present, and Future".* American Economic Review.

Thaler, Richard H.; Mullainathan, Sendhil (2008). "*Behavioral Economics*". In David R. Henderson (ed.). *Concise Encyclopedia of Economics* (2nd ed.).

Hogarth, R. M.; Reder, M. W. (1987). *Rational Choice: The Contrast between Economics and Psychology*. Chicago: University of Chicago Press.

Kahneman, Daniel; Tversky, Amos (1979). "*Prospect Theory: An Analysis of Decision under Risk*". Econometrica.

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OPERATIONS RESEARCH FOR ECONOMIC ANALYSIS
ELECTIVE COURSE
COURSE CODE – MAECO04E07

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Objectives

This paper covers the basic Operation Research techniques and deals with the application of these techniques in business practices. This paper enables the students to familiarize with Operation Research techniques and its applications in managerial decision making. To introduce the students to the basic operation research techniques such as Linear Programming, Game theory, Input-output analysis, PERT and CPM and inventory control that are widely used in decision making.

Outcome

To enable the students to apply operation research techniques in current business practices and to make them draw inference based on the numerical results obtained.

Module-1
Introduction to Operations Research: History and development of OR-meaning and scope applications Modeling in Operations Research- OR models and their applications. **Linear programming problems:** formulation of problem- graphical solution- Simplex procedure for maximization and minimization- Unbounded Solution- Duality concept-solution of dual problem- Economic interpretation of dual problems- Post-Optimal Analysis- Sensitivity Analysis.

Essential Reading
J.K Sharma. 1997. *Operations Research- Theory and Applications*.
William J. Baumol. 1999. *Economic Theory and Operations Analysis.* New Delhi: Prentice Hall of India.
Anderson, Sweeney & Williams 2007, *An Introduction to Management Science- Quantitative approaches to Decision Making.* Thomson- South Western.

Supplementary Reading
Philips Ravindran and Solberg.*Operations research, principles and Practice*, John Wiley.

Module-2
Transportation Model: Mathematical formulation- general structure of the problem- transportation tables- methods to obtain Initial Basic Feasible Solution (IBFS)- NWCR and VAM- conditions for testing optimality- MODI method for testing optimality solution of balanced and unbalanced problems. **Assignment Model**: methods for solving assignment problems- balanced and unbalanced assignment problems- maximization problems. Travelling Salesman Problem.

Essential Reading
 J.K Sharma. 1997. *Operations Research- Theory and Applications*.
William J. Baumol. 1999. *Economic Theory and Operations Analysis.* New Delhi: Prentice Hall of India.

Supplementary Reading
Philips Ravindran and Solberg.*Operations Research, principles and Practice*, John Wiley.

Module- 3
Decision Theory: Introduction- basic concepts- pay off table- opportunity loss or regret table- decision rule - decision making under certainty- under uncertainty- Laplace criterion- maximin or minimax principle- maximax or minimax principle- Harwicz α criterion- under risk- Expected Opportunity Loss- Expected Value of Perfect Information (EVPI)- Bayesian decision theory- Decision tree. **Game theory**: Introduction- meaning-the zero sum games- pay off matrix- minimax and maximin principle- solution of zero sum two person games- saddle point theorem- mixed strategies- algebraic method, dominance properties- optimal mixed strategies- graphical method and solution of games by LPP- 2×n and m×2 games- reducing the game problem to LPP- n-person games (concept).

Essential Reading
Rao S.S. *Optimisation Theory and Applications*.New Age International.
Taha.H.A. *Operations Research- An Introduction*.Mc.Millan.
William J. Baumol. 1999. *Economic Theory and Operations Analysis.* New Delhi:Prentice Hall of India.
Kanthi Swarup, Gupta and Man Mohan.*Operations Research*. Sultan Chand & Sons

Supplementary Reading
R. Pannerselvam. 2002. *Operations Research*. PHI

Module- 4
Network Techniques: PERT and CPM- Basic concepts- construction of networks- critical path- event times- float and slack, time cost- trade off- resource allocation and scheduling- resource levelling- resource smoothing.

Essential Reading

Kanthi Swarup, Gupta and Man Mohan.*Operations Research*.Sultan Chand & Sons.

J.K Sharma. 1997. *Operations Research- Theory and Applications*.

Supplementary Reading

Philips Ravindran and Solberg.*Operations research, principles and Practice*.John Wiley.

R. Pannerselvam. 2002. *Operations Research*. PHI.

DEVELOPMENT OF ECONOMIC IDEAS

ELECTIVE COURSE

COURSE CODE – MAECO02E08

Aim & Objectives

The course covers the development of major economic ideas from Mercantalism to modern economics and also the development of Indian economic thought from ancient to modern thoughts.

Learing Outcome

The paper provides the students an in depth knowledge on the history of economic thought and create a bases for the formation of new economic ideas among the students.

Module - I

Introduction: What is Economic thought - Definitions - Mercantilism –Major ideas of Mercantilists : Population, Interest, Wages, Production, Taxation. Physiocracy :Physiocratic doctrines : Natural Order, The Net Product, The circulation of wealth.

Essential Reading

Eric Roll. 1953. *A History of Economic Thought*.Prentice Hall.

LH.Haney. 1913.*History of Economic Thought*. Macmillan Company.

J.P. Bell. 1967. *A History of Economic Thought*. Ronald Presss.

V.A. Schumpeter. 1994. *A History of Economic Analysis*.Routledge.

O.H. Taylor. 2011. *A History of Economic Thought*.Literary Licensing.

Robert Lekachman. 1959. *A History of Economic Ideas*. Harper.

P.C. Newman . 1952.*History of Economic Doctrines.* Prentice Hall.

Gide &Rist. 1949. *A History of Economic Thought.* Harrap and Company Ltd.

Alexander Gray. 1956.*Development of Economic Doctrines.* Great Britain:

Northumberland Press Ltd.

Supplementary Reading

H.W. Spiegel. 1971. *The Growth of Economic Thought*. Durham.NC: Duke University Press.
T. Negishi. 1994. *The History of Economics: Collected Essays*.Vol. II. Aldershot. UK: Edward Elgar.
J. Niehans.1990. *A History of Economic Theory: Classic contributions-1720-1890.* Baltimore: Johns Hopkins University Press.
R.V. Eagly. 1984. *The Structure of Classical Economic Theory*. New York: Oxford University Press.

J. Appleby. 1978. *Economic Thought and Ideology in Seventeenth Century* England Princeton: Princeton University Press.

Module- 2

The Classical School : Adam Smith : Division of labour - Naturalism and optimism - Economic Liberty - Theory of Value - Theory of Distribution -on wages, on profit, on rent - Canons of taxation - Productive and unproductive labour - Theory of capital, economic development. David Ricardo :Theories of Value, Distribution, Wages, Profit, Foreign Trade, Money, Theory of Economic Development. T.R. Malthus : Theory of population, Malthusian Controversy of Market Glut. J.B. Say :Scope of Political Economy - Law of Market. Jeremy Bentham:The Systems J.S. Mill: Mill's Socialist Programme. Von Thunen : Price, Distribution.

Essential Reading

Eric Roll. 1953. *A History of Economic Thought*.Prentice Hall.

LH.Haney. 1913.*History of Economic Thought*. Macmillan Company.

J.P. Bell. 1967. *A History of Economic Thought*. Ronald Presss.

V.A. Schumpeter. 1994. *A History of Economic Analysis*.Routledge.

O.H. Taylor. 2011. *A History of Economic Thought*.Literary Licensing.

Robert Lekachman. 1959. *A History of Economic Ideas*. Harper.

P.C. Newman . 1952.*History of Economic Doctrines.* Prentice Hall.

Gide &Rist. 1949. *A History of Economic Thought.* Harrap and Company Ltd.

Alexander Gray. 1956.*Development of Economic Doctrines.* Great Britain:

Northumberland Press Ltd..

Supplementary Reading

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T. Negishi. 1994. *The History of Economics: Collected Essays*.Vol. II. Aldershot. UK: Edward Elgar.
J. Niehans.1990. *A History of Economic Theory: Classic contributions-1720-1890.* Baltimore: Johns Hopkins University Press.
R.V. Eagly. 1984. *The Structure of Classical Economic Theory*. New York: Oxford University Press.
J. Appleby. 1978. *Economic Thought and Ideology in Seventeenth Century* England Princeton: Princeton University Press.

Module - 3

Critics of Classicals : The Nationalist critics : Muller, Frederich List, Historical Critics : William Roscher, Gustav Schmoller. The BritishSchool : Walter Bagehot - Socialist Critics : St. Simon, Sismondi, Robert Owen, Charles Fourier, Louis Blanc, Joseph Proudhon, State Socialists : Karl Robertus. Ferdinand Lassals, Scientific Socialists : Karl Marx - Materialistic Interpretation of History, Dialectical Materialism - Theory of Surplus Value. Theory of Economic Development.Frederich Engels Karl Kautsky and Rosa Luxenberg, Rudolf Hilferding, V.I. Lenin. Neo-Classicals : Subjective School : Karl Menger, Von Wieser and Bohn Bawerk, Marginalists/Mathematical School, HeimannGossen, Jevons, Walras, Gustav Cassel, Vilfredo Pareto, J.B. Clark, Knut Wicksell, Wicksteed, Alfred Marshall, A.C. Pigou, Irving Fisher, Institutionalism Thorstein Veblen, J.R. Commons, W.C. Mitchell. Modern Economists; J.M. Keynes, Post Keynesians, Milton Friedman.

Essential Reading

Eric Roll. 1953. *A History of Economic Thought*.Prentice Hall.

LH.Haney. 1913.*History of Economic Thought*. Macmillan Company.

J.P. Bell. 1967. *A History of Economic Thought*. Ronald Presss.

O.H. Taylor. 2011. *A History of Economic Thought*.Literary Licensing.

 Robert Lekachman. 1959. *A History of Economic Ideas*. Harper.

P.C. Newman . 1952.*History of Economic Doctrines.* Prentice Hall.

Gide &Rist. 1949. *A History of Economic Thought.* Harrap and Company Ltd.

Alexander Gray. 1956.*Development of Economic Doctrines.* Great Britain:

Northumberland Press Ltd.

Karl Marx. 1972.*Theory of Surplus Value (Part -3).* Lawrence & Wishart,

Supplementary Reading

H.W. Spiegel. 1971. *The Growth of Economic Thought*. Durham.NC: Duke University Press.
T. Negishi. 1994. *The History of Economics: Collected Essays*.Vol. II. Aldershot. UK: Edward Elgar.
P. Deane. 1978. *The Evolution of Economic Ideas*. Cambridge. UK: Cambridge University Press.

M. Blaug.1986. *Great Economists Before Keynes*. Cambridge. UK: Cambridge University Press.

R. Backhouse.1985. *A History of Modern Economic Analysis*. Oxford: Blackwell.

R. Backhouse.1988. *Economists and the Economy: The Evolution of Economic Ideas, 1600 to the Present Day*. New Brunswick: Transaction.

I. Rima. 1967. *Development of Economic Analysis*. Homewood, Ill.R. D. Irwin.

Module - 4

Indian Economic Thought : Ancient Economic Thought : Koutilya, Modern Economic Thought – Dadabai Naoroji, M.G. Ranade, Mahatma Gandhi, Ambedkar and Nehru.

Essential Reading

Ajit K. Dasgupta. 1993. History of Indian Economic Thought. London:Routledge.

Roger Boesche. 2002. *The First Great Political Realist- Koutilya and His Arthasastra.*

New York: Lexington Books.

M.K. Gandhi. *Collected Works (3 Volumes)*

O.P.Misra.1995. *Economic Thought of Gandhi and Nehru- A Comparative Analysis.* New

   Delhi:M.D. Publication Pvt. Ltd.

Bhimrao Ramji Ambedkar.1979.*Babasaheb Ambedkar, Writings and Speeches, Volume 19*.Education Department, Government of Maharashtra.

Arvind D Karmarkar. 1974.*Economic Thought in Modern India: Themes in Indian Economic Thinking and Analysis Since 1870 to Present Day.*University of California: J.S.S. Institute of Economic Research.

O.P.Brahmachary. 1995.*Economic Ideas of Mahadev Govind Ranade- Relevance Under*

New Economic Policies of India. New Delhi: Deep and Deep Publications.

Supplementary Reading

*Routledge Hand book of the History of Global Economic Thought.*edited by Vincent Barnett. Oxon: Routledge.

Brandon Dupont. 2017. *The History of Economic Ideas-Economic Thought in Contemporary Context*. New York: Routledge.

M.L.Dantwala.1947.*Economic Ideology of Nehru*.EPW.

PROJECT FORMULATION AND EVALUATION
ELECTIVE COURSE
COURSE CODE - MAECO04E13

Course Objectives

This course will provide insights into the capital budgeting structure of an economy, how it operates, starting from the planning phase to the review, why economic problems occur and the reasons why policy makers make the decisions. This course is designed to provide economic knowledge and skills necessary to make well-informed business and accounting decisions. It will also introduce various portfolio planning tools and techniques to facilitate investment decision making practices.

Course Outcome

Students will get theoretical tools and practical experience necessary for the appraisal of investment projects and programmes. Students will gain knowledge in concepts, advantages and drawbacks of each of the main approaches used in project management.

Module – 1

Project formulation and analysis - nature and scope - project analysis, an overview – capital expenditures - phases of capital budgeting - levels of decision making - facets of project analysis- key issues in project analysis - objectives of capital budgeting - resource allocation, criteria ,tools, approaches and issues - generation and screening of project ideas - scouting for project ideas

Essential Reading

Prasanna Chandra.1993. *Financial Management - Theory and Practice.*New Delhi : Tata McGraw Hill.
Prasanna Chandra.1995. *Projects, Planning, Analysis, Selection Implementation and Review.*New Delhi : Tata McGraw Hill Publishing Co.
Brealey, R. & S. Myers. 1991. *Principles of Corporate Finance.* New York: McGraw Hill.
Dasgupta, Partha, Amartya Sen and Stephen Marglin. 1972. *Guidelines for ProjectEvaluation*. New Delhi ; Oxford & IBH.
J. Cvitanic and Zapatero F .2004. *Introduction to Economics and Mathematics ofFinancial Markets.*London : MIT Press, Cambridge.

Supplementary Reading

E. J. Elton and M.J. Gruber. 1995.*Modern Portfolio Theory and Investment Analysis.* London : Wiley.

Lutz, F. 8& Lutz.1951 *The Theory of Investment of the firm.* Princeton University Press.

Module – II

Project analysis and evaluation - market and demand analysis - methods of demand forecasting - qualitative, time series, and casual methods - technical analysis materials and inputs- product mix - plant capacity - project charts and layouts – work schedule - financial analysis -project cost - sources of finance - estimates - cost of production - break-even point - cash flow statements - balance sheets - Appraisal of projects- Preparation of project proposals

Essential Reading

Bussey L.E.1978. *The Economic Analysis of Industrial Projects.*Englewood: Prentice Hall.

Eschenbach, Ted, Lynn E. Bussey, Neal A. Lewis, Joseph C. Hartman .2015. *EconomicAnalysis of Industrial Projects.*Oxford University Press.

Esty, Benjamin .2003. *Modern Project Finance: A Casebook*. John Wiley & Sons.

Finnerty, John D. 2007. *Project Financing: asset based financial engineering*. 2nd edJohn Wiley & sons.

Supplementary Reading

Ghattas, R.G. and Sandra L.McKee, 2003.*Practical Project Management*. Pearson.

Haley, C.W. and L.D. Schall.*The Theory of Financial Decisions.*New York : McGrawHill.

Kasor, Shrutika .2003. *Project Management.*New Delhi; Sumit Enterprises.

Little I.M.D. and J.A Mirrlees. 1974. *Project Appraisal and Planning for DevelopingCountrie.,*London : Hienemann Educational Books.

Module – III

Measuring project cash flows - components - biases in cash flow C estimation - time value of money - cost of capital - basic concepts, premises and rationale - cost of capital in practice -appraisal criteria - net present value, benefit cost ratio - internal rate of return - payback period -accounting rate of return - assessment of various methods – risk analysis - types and measures of project risk - Sensitivity analysis –Scenario analysis- Simulation analysis - Decision tree analysis- firm risk and market risk

Essential Reading

Pearce, DW and CA Nash .1981.*The social Appraisal of Projects*. Macmillan.

Pitale, R.L. 1987. *Project Appraisal Techniques*. New Delhi: Oxford and IBH

Masse, P. 1962.*Optimal Investment Decisions : Rules of Action and Criteria for Choice.* Englewood: Prentice Hall.

Supplementary Reading

Mikkelsen, Britha. 2005. *Methods for Development Work and Research.* New Delhi :Sage Publications.

Mize J.H. & J.G. Cox, *Essentials of Simulation.*England : Prentice-Hall.

Module –IV
Special decision situations - choice between mutually exclusive projects - determination of economic life- inflation and capital budgeting - social cost benefit analysis - multiple projects and constraints- project dependence- capital rationing-method of ranking - options and flexibility-qualitative factors-

Project Management - network techniques of project management – PERT and CPM - network cost system - Critical path analysis - project review -performance evaluation.

Essential Reading

> Charnes.A & W.W. Cooper. 1961. *Management Models and Industrial Applications of Linear Programming.* New York: John Wiley & Sons.
> William J. Baumol. 1978. *Economic Theory and Operations Analysis.* Englewood: Prentice Hall.
> Ajith K. Dasgupta & D.W. Pearce.1987. Cost *Benefit Analysis.* London: Macmillan ELBS.
> Cleland, David I., 1995. *Project Management: Strategic, Design and Implementation.*New Delhi: McGraw Hill.
> Gass, S.I.1969. *Linear Programming: Methods and Applications.* New York: McGrawHill.
> Miller R.W.1963. *Schedule Cost and Profit Control with PERT.* New York. McGrawHill.
> Mishan, EJ .1977.*Cost-Benefit Analysis.*Second edition. London: George Allen &Unwin.
> Moder, J.J. and C.R. Philips. 1964. *Project Management with CPM and PERT.* NewYork: Reinhold Publishing Corporation.

Supplementary Reading

> David A. Dubofsky and Thomas W. Miller .2003.*Derivatives: Valuation and RiskManagement*. OUP.
> Z. Bodie, A. Kane and A.J. Marcus .2004. *Investments*. London: Irwin McGraw Hill.
> Bruce Tuckman .2002. *Fixed Income Securities*. Willey Finance.
> J. C. Hull .2004. *Options, Futures and other Derivatives*. New Jersey: Prentice- Hall.
> Govt. of India.*Planning Commission Manual Project Appraisal: Industries(various years)*
> UNIDO, 1978 *Guidelines for practical project appraisal.*

Journals:

Economic & Political Weekly, Bombay

Commerce

Financial Management, Winter and Summer

Business today

Journal of Finance

Indian Journal of Accounting

Chartered Accountant, Journal of CA's Association

HEALTH ECONOMICS

MULTI- DISCIPLINARY/ INTER-DISCIPLINARY SOFT CORE /OPEN COURSE

COURSE CODE: MAECO04 O 01

Aim & Objectives

Health economics is a growing field of economics primarily dealing with issues relating to scarcity in the allocation of health and health care. In the recent past, some of the policies by the state and federal governments have involved issues that have been analyzed by the health economist.

1. The course expects to furnish under studies with adequate foundation in wellbeing financial matters hypothesis to have the option to see how the social insurance advertise functions and under what conditions human services can be productively delivered and apportioned however markets, guidelines and arranged framework.

2. Specifically the course furnish under studies with capacity to comprehend the ramifications of market and government disappointments with regards to human services, and see what number of foundations and administrative game plans saw in the area can be connected to various kinds of business sectors.

3. To give a prologue to wellbeing financial aspects hypothesis and techniques and how they could be applied to dissect the working of wellbeing framework and the determinants of wellbeing and utilization of wellbeing administrations.

4. How medical coverage impacts the interest at social insurance and its costs .

Learning Outcome

1. A better command in the major theories and frameworks for core areas of health economics in terms of main issues, methods, results and unresolved problems.

2. A sound knowledge of how economic theory and methods are applied in the health care sector; the financing and organization of health services in different system, health insurance theory and practice, the nature of competition and planning in health care; efficiency and equity considerations in health and health care.

3. Demonstrate interest in health economics andmotivate students to undertake future research and build their careers.

Module-1: Introduction Why Health Economics? Nature andscope. Determinants of Health, Health and Development, Issues of availability, accessibility, cost and quality.Theoretical Foundations in Health Economics: Demand and Supply for Health-Demandand Supply of Human resources for health -The Production of Health- The Demand and supply of health workers –Determinants of Demand and supply.

Essential Reading

Holland, Goodman and Stano . 2009. *The Economics of Health and Health Care*. Pearson

Education.

Zweifel, P and Breyer, F. 1997. *The Health Economics*. OUP: Oxford.

Turshen.M .1989.*The Politics of Health*. London: Zed Books Ltd.

Monica Das Gupta,Chen. L.C and Krishnan T. N. 1996.*Heath, Poverty and Development in India.*New Delhi*:* OUP.

Supplementary Reading

Narayana D . 2008. *High Health Achievements And Good Access To Health Care At Great Cost: The Emerging Kerala Situation in Haddad et.al (ed): Safeguarding the health sector in times of macroeconomic instability: policy lessons for low- and middle-income countries.*

Wagstaff, Adam . 1986. *The Demand for Health: A Simplified Grossman Model.* Bulletin of Economic Research*,* Vol.38, No.1.

Module-2: Health planning Types – stages and challenges in planning – health inequalities – health financing – and health problem performance – concepts, criteria and measurement – health system organization models-What is health care system?-Why do health care system differs-Four models of health care system-Free market model-Social insurance-NHS and socialist.

Essential Reading

John Davis. 2001. *The Social Economics of Health Care.* London:Routledge.

 Imrana Quadeer ed. 2003,*Public Health and Poverty of Reforms*, New Delhi: Sage publications.

Lee, Kenneth and Anne Mills ed. 1985.*The economics of Health in Developing Countries*. OUP: Oxford.

Baru, R, V. 1998. *Private Health Care in India: Social Characteristics and Trends*. New Delhi: Sage publications.

Supplementary Reading

Wagstaff, Adam . 1986. *The Demand for Health: A Simplified Grossman Model.* Bulletin of Economic Research*,* Vol.38, No.1.

Gangadharan K. 2010. *Health and Development: The Millennium Perspectives*. New Delhi: Rawat Books.

Module-3: Externalities and Market Failure Issues of Externalities-Private sector in health care provision-the role of public/private mix in health system-privatization of public health –problem of mixing public and private. - Government Intervention in Health Care Markets - Economic Rationale for Government Intervention - Government Failures and Competitive Strategies.

Essential Reading

Berman Peter. 1995. *Health Sector Reforms in Developing Countries, Making Health*

*Developments Sustainable.*Boston:Harvard School of Public Health.

Arrow, Kenneth J . 1963. *Uncertainty and welfare economics of medical care*. American

Economic Review**.**

Supplementary Reading

Gangadharan K. 2009. *Paradigm Shift in health and Education in India*. New Delhi: Serials.

Ashokan, A. 2009.*Perspectives of Health Economics*. New Delhi: Serials Publications.

Module – 4

Urban health system- Anoverview of methods of studying urban health system. Health Care Sector in India- Public and Private Care Providers-Factors influencing the growth of private sector in health-Economic Reforms and Health Sector in India - Health Insurance: Issues and Strategies – User Financing: Issues. Health and nutritional deprivation among the marginalized. Health Care Development in Kerala - Is Kerala's Health Care Sector Sustainable?Greyingof population and health of elderly in Kerala.

Essential Reading

Berman Peter. 1995. *Health Sector Reforms in Developing Countries, Making Health*

*Developments Sustainable.*Boston:Harvard School of Public Health.

Arrow, Kenneth J . 1963. *Uncertainty and welfare economics of medical care*. American

Economic Review**.**

Guy Carrin. 2009. *Health Systems Policy, Finance, and Organization*. Academic Press

Supplementary Reading

Narayana D . 2008. *High Health Achievements And Good Access To Health Care At Great Cost: The Emerging Kerala Situation in Haddad et.al (ed): Safeguarding the health sector in times of macroeconomic instability: policy lessons for low- and middle-income countries.*

Gangadharan. K. 2012. *Nutritional and Health care deprivation An inter caste analysis*. New Delhi: Manglam Publication.

Ashokan, A. 2009.*Perspectives of Health Economics*. New Delhi: Serials Publications.

GENDER ECONOMICS
MULTI- DISCIPLINARY COURSE
COURSE CODE : MAECO04 O 02

Aim & Objectives

The programme aims to provide a firm understanding of economic and social processes that shape the contemporary global world and their gendered outcomes. It considers diverse analytical tools and theoretical approaches for the analysis of development and globalisation from a uniquely gendered perspective. Emphasis is placed on the analysis and theorisation of political, socio-economic, institutional and spatial aspects of change and inequality, particularly changes in labour, work and employment patterns, economic restructuring and critical policy issues among others. A series of case studies and interdisciplinary academic readings will link global and local issues and the lives of people across the globe. The main objective of the course is to introduce the students to major concepts used in gender analysis. The course intends to equip the students with broad principles and theories of gender and development.

Learning Outcome

Students will get a good understanding of how economic theory and methods are applied in gender studies; this paper provide better understanding of various issues related to gender development with special emphasis to Indian context and how theory and practices comes in conflict while addressing various gender dynamics. The programme will be of great intellectual value for understanding gender issues in a global and transnational context, or seeking to contribute to policy-making, or to do further research in this field.

Module 1: Introduction to Gender studies

Concepts of Gender and Sex – Gender perspective of Body- Social construction of Feminity and Masculinity-importance of women and gender studies- race and intersectionality –Patrilineal and Matrilineal systems and its relevance to present Indian society-Gender and economic development –

Measures of Gender development- World and India-Analysis of gender relations for case study evaluation and research

Essential Reading

Boserup, Ester(1970),Woman's Role in Economic Development / Ester Boserup; new introduction by Nazneen Kanji, Su Fee Tan and Camilla Toulmin.-- London: Earthscan, (re print-2007)

Sen,Suvarna ,(2006),Gender and Development, ICFAI University Press, Hyderabad

Dutta,Nandita and,Sumitra Jha(2014),Women and Rural Development ,Pacific Books Internat, Delhi

Dutta,Nandita and,Sumitra Jha(2014),Women and Agricultural Development ,Pacific Book,New Delhi.

Dutta,Nandita and,Sumitra Jha(2014),Women Social Work and Social Welfare ,Pacific Books International,New Delhi.

Jitendra Ahirrao(2013), Entreprenuership and Rural Women in India ,New Century Publications,New Delhi.

Desai,N and M.KRaj (1974), Women and Society in India ,SNDT University ,Mumbai

Supplementary Reading

Ahmed S, (2017) Living a Feminist Life, Duke University Press, Durham

Benería, L.(2003) Gender, Development & Globalisation. Economics As If All People Mattered. London & NY: Routledge;

Butler, J (1999) Gender Trouble, Routledge, New York & London

Butler J, (1997) the Psychic Life of Power, Stanford University Press, Stanford

Eadie,Jo (ed) (2004) Sexuality. The Essential Glossary, publisher Hodder Education

Evans et al, (2015) The Sage Handbook of Feminist Theory Sage, London

Evans M and Williams C, (2012) Gender: The Key Concepts, Routledge, London

Foucault M (1990) The History of Sexuality Vol 1 Penguin, Houndsmills

Module-II : Gender Dynamics

Gender dynamics -reproduction - age structure- mortality rates –Inter state variations in sex ratio- causes of declining sex ratio- Measurement of fertility and its control -theories of power and the relations between the psyche and the social- gender representation-nation and rights- theories of gender roles and stereotypes- Gender neutrality- Gender and Community- Contemporary issues of gender and caste-Gender based violence-Rape-Honour killing-Prostitution

Essential Reading

UNRISD,(2004) Gender Equality; Striving for Justice in an Unequal World,UNRISD,France

Harilal,K.N.,Kanji,N.,Jeyaranjan,J.,Eapen,M.and Swaminathan,P (2006) Power in Global Value Chain; Implications of cashew nut industry in India ,IIED

ILO,(2002) Women and Men in the Informal Economy; A statistical Picture,ILO

A.Venkateswarlu, et al. (2013) ,Dimensions of Female Sex Ratio.;Interstate Variations in India ,Serials Publications,New Delhi.

Supplementary Reading

Hemmings C, Why Stories Matter: (2011) The Political Grammar of Feminist Theory, Duke University Press, Durham

Hill Collins P and Bilge S, (2016) Intersectionality, Polity, London

Mohanty C,(2003) Feminism without Borders Decolonizing Theory , Practicing Solidarity, Duke University Press, Durham

Weigman R, (2012) Object Lessons, Duke University Press, Durham

Module-III : Women and Labour Market

Female work participation - Wage differentials and its determinants- Gender and Education-Skill, Productivity, Efficiency -Impact of technology and modernization on women's work – global integration and uneven development - social, spatial and gender inequalities-global division of labour –care work and migration- Feminist movements - feminist struggles over recognition, redistribution and representation -Women's participation in Decision making -Role of civil society –Role of N.G.O's in empowering women

Essential Reading

Krishna Raj .M, Sudarshan.R.M, and Shariff.A,(1999) ,Gender,Population and Development ,Oxford University Press,New Delhi

Seth .M,(2000)Women and Development ;The Indian Experience ,Sage Publications,New Delhi

Srinivasa.K, and A.Shroff (1998)India Towards population and Development Goals , OUP,New Delhi

Wazir,R,(2000),The Gender gap in Basic Education,;NGO's as change Agents,Sage Publications, Delhi

Sen,Amartya.(1990), "More than 100 million women are missing"Newyork Review of books,vol.37,No.20,1990.

Supplementary Reading

Agarwal, B. (2016) Gender Challenges (Vol 1, 2 and 3). India: Oxford University Press.

Benería, L. Berik, G and Floro, M. (2015) Gender, Development and Globalization: Economics as if All people Mattered, London: Routledge. (2nd Edition).

Chant, S. (ed.) (2010) International Handbook of Gender and Poverty: Concepts, Research, Policy, Cheltenham: Edward Elgar.

Cook, S. and Kabeer, N. (2010) Social Protection as Development Strategy, London: Routledge.

Cornwall, A., Harrison, E. & Whitehead, A. (eds) (2007) Feminisms in Development: contradictions, contestations, and challenges, London: Zed Books.

Cornwall, A.,Edstrom, J. and Greig, A. eds. (2011) Men and Development: Politicising Masculinities, London: Zed Books.

Devaki, J. and Elson, D. (2011) Harvesting Feminist Knowledge for Public Policy, IDRC, London: Sage

Escobar, A. (2011) Encountering Development: The Making and Unmaking of the Third World, Princeton Princeton University Press

Jaggar, A. (2014) Gender and Global Justice, Bristol: Polity

Kabeer, N. (2001) The Power to Chose. Bangladeshi women and labour market decisions in London and Dhaka, London: Verso.

Kabeer, N. (2003) Gender Mainstreaming in Poverty Eradication and the Millennium Development Goals: a handbook for policy-makers and other stakeholders, London: Commonwealth Secretariat.

Marchand, M. and Runyan, A. (2011) Gender and Global Restructuring, second editionLondon: Routledge.

Milanovic, B. (2016) Global Inequality: A New Approach for the Age of Globalization, Harvard: Harvard University Press

Mirchandani, K. (2012) Phone Clones. Authenticity Work in the Transnational Service Economy, Ithaca: ILR Press.

Ong, A. (2010) Spirits of Resistance and capitalist Discipline, 2nd Edition New York: Suny Press.
Patel, R. (2010) Working the Night Shift. Women in India's Call Centres, Stanford: University Press.

Perrons, D. (2004) Globalization and Social Change, London: Routledge.

Spierings, N. (2015) Women's employment in Muslim countries: patterns of diversity. Basingstoke, Hampshire: Palgrave Macmillan.

Module IV : Social Security and Rights

Measures for gender well being- Entitlements, ensuring economic independence and risk coverage,access to credit and insurance market- micro finance- Review of legislation for women- 73rd Amendment-Protection of property rights- gender quotas and collective action– Effectiveness of collective bargaining- schemes for safety net for women - Public and Private programmes to improve women's health-National policy for empowering women- International measures to protect women's' rights-UN measures of Gender development- U.N Decade for women

Essential Reading

Govt. of India (1974),Towards equality-Report of the committee on the status of women in India ,Dept of Social Welfare,Ministry of Education and Social Welfare,New Delhi.

Govt.of India (2009), Gender Equality and Women Empowerment in India ,National Family Health Survey 2005-06 (NFHS-3),IIPS,Mumbai

Various issues of Economic and Political Weekly.(for e.g .John Mary .E.(1996)"Gender and Development in India EPW,31(47),PP 3071-77)

Sen,Sujatha ,(2012) Gender studies,Dorling Kindersely(India)Pvt.Ltd,New Delhi.

Pal,Manoranjan et .al (Ed)(2011),Health,Nutritional Status and Role of women in India, Oxford University Press, New Delhi.

Supplementary Reading

Selwyn, B. (2014) The Global Development Crisis, Cambridge: Polity Press.
Stiglitz, J. (2015) The Great Divide. Unequal Societies and What We Can Do About Them, London: Penguin.
Visvanathan, N. et.al. (2012) The Women, Gender and Development Reader, London: Zed Books.
Walby, S. (2009) Globalisation and inequalities: Complexity and contested modernities. London: SagePublicationsLtd.
Walby, S. (2011) The future of feminism. Cambridge: Polity Press.

LIST OF MOOC COURSES UNDER SWAYAM PLATFORM
Indian Agricultural Development
By Dr. Praveen Kumar Jain | Indira Gandhi National Open University
Economics of Health and Health Care
By Prof. Angan Sengupta | IIT Kanpur
Health Research Fundamentals
By Multi Faculty | National Institute of Epidemiology
Energy Economics And Policy
By Prof. Shyamasree Dasgupta | IIT Mandi
Operations Research
By Prof. Kusumdeep | IIT Roorkee
Operations Research
By Professor Bibhas C. Giri | Jadavpur University
Mathematical Economics
By Sikha Ahmad, | Doon University, Dehradun,
TS-1: Foundation Course In Tourism
By Dr. Sonia Sharma & Dr. Tangjakhombi Akoijam | Indira Gandhi National Open University
TS-2: Tourism Development Products
By Dr. Arvind K Dubey & Dr. Paramita Suklabaidya | Indira Gandhi National Open University

XVI: MODEL QUESTION PAPER

FIRST SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS
PAPER –I: MAECO01C01:MICRO ECONOMIC THEORY (CORE)
TIME:THREEHOURS   **MAXIMUM MARKS:60**
TOTAL MODULES:4

Part A:
Answer any five questions. (Eachquestioncarries3marks)

1. Examine the constant elasticity of demandfunction.

2. Explain riskaverter

3. Explain Sweezy's kinked demand model ofoligopoly.

4. Whatdoyoumeantbycapitalandlabourdeepeningtechnicalprogress?

5. Explain Baumol's sales revenue maximizationmodel

6. What do you meant byexternality?

$(5 \times 3 = 15)$

Part B
Answer any three(Each question carries 5 marks)

7. Howcouldyoudeterminethefollowinglinearprogrammingproblembyusingsimplex Method?

Maximize Z=10X1+X2+2X3

S.T X1+X2-2X3≤10

4X1+X2+X3≤20
X1,X2,X3≥0

8. How would you proveLES?

9. If the used car market is a 'lemons' market, how would you expect the repair record ofusedcarsthataresoldtocomparewiththerepairrecordofthosenotsold?

10. Howwouldyouprioritizemicroandmacroeconomicsandexplainthescopeofmicro economics?

11. State algebraically, explain and demonstrate, using appropriate diagrams, each of the three conditions for Pareto optimality satisfied by a perfectly competitive economy.

$(3 \times 5 = 15)$

Part C
Answer any three questions. (Each question carries 10 marks)

12. Critically evaluate Walrasian general equilibrium analysis

13. Assess New welfare economics

14. What conclusions can you draw the equilibrium of the multiproduct firm in terms of production possibility curve and Iso- revenue line?

15. How can the principal-agent model be used to explain why public enterprises, such as post offices,   might pursue goals other than profit maximization?

16. Demonstrate Basic postulates of Sylos Labini limit pricing model

$(3 \times 10 = 30)$

FIRST SEMESTER M.A.ECONOMICS DEGREE EXAMINATION UNDER CBCSS 2020

PAPER- II: MAECO01C02: MACRO ECONOMIC THEORY (CORE)

TIME: THREE HOURS MAXIMUMMARKS:60
TOTAL MODULES: 4

Part A: Answer any five questions. (Each question carries 3 marks. 5 ×3= 15)

1. Distinguish between GDP andGNP.
2. Explain simple Keynesianmodel
3. Explain the major types ofunemployment
4. How does inflation affect theeconomy?
5. How exchange rate is determined under fixed and flexible exchangesystems?
6. Explain M1, M2, M3 &M4

Part B: Answer any three. (Each question carries 5 marks. 3 ×5= 15)

7. Distinguish between GDP and GNP. Suppose GDP is Rs. 10000. Domestic residents receive factor payments from abroad of Rs. 650. Foreigners receive Rs. 350 as factor payment from our country. Calculate the value ofGNP.
8. Explain why IS curve is downwardsloping.
9. What are the factors matters for economic growth? Explain why some countries are growing faster thanothers?
10. What are the economic impacts of inflation? Is inflation good or bad for acountry?
11. Explain the major types ofunemployment

Part C: Answer any three questions. (Each question carries 10 marks. 3 ×10= 30)

12. Elaborate the major schools of macroeconomic thought and their contributions to the development ofmacroeconomics.
13. What is an investment demand schedule? What are the determinantsof investment?
14. How do we measure unemployment and inflation? What is the present conditionof unemployment and inflation inIndia?
15. How exchange rate is determined under fixed and flexible exchange systems? Explain how internal and external balances are met under fixed and flexible exchange rate systems.
16. Explain the relationship between the effectiveness of monetary policy and the interest elasticity of investment. Will monetary policy be more or less effective the higher the interest

elasticity of investment demand? Explain the relationship between the effectiveness of fiscal policy and the interest elasticity of investment demand. Why do the two relationships differ?

FIRST SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS
PAPER –III :MAECO01C03: DEVELOPMENT ISSUES OF INDIAN ECONOMY
-WITH SPECIAL REFERENCE TO KERALA
(CORE)

TIME:THREEHOURS   **MAXIMUM MARKS: 60**
TOTAL MODULES:4

Part A:
Answer any five questions. (Each question carries 3 marks)

1. Explain Trade balance.

2. Explain features of Neo-Liberalism.

3. Differentiate Growth v/sDevelopment.

4. Explain Industrial policy of 1991.

5. Explain Age structure of India'spopulation.

6. Explain Land reforms inKerala?

$(5 \times 3 = 15)$

Part B
Answer any three
(Each question carries 5 marks)

7. How would you explain the changing interrelationship between agriculture andindustry.

8. Examine the demographic changes inKerala.

9. Examine the BOP position and problems ofIndia.

10. Identify the nature and level of food availability inIndia.

11. Examine the New Agriculture Policy and Agrarian Crisis inIndia.

$(3 \times 5 = 15)$

Part C
Answer any three questions. (Each question carries 10 marks)

12. Critically examine the land reforms inIndia

13. How would you explain the features of WashingtonConsensus.

14. Examine the nature of higher education inKerala.

15. Analyze the changing trends in poverty inIndia.

16. Evaluate the socio- economic development programmes ofIndia.

$(3 \times 10 = 30)$

FIRST SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020

ECONOMICS

PAPER–IV:QUANTITATIVETECHNIQUESFORECONOMICANALYSIS

CORECOURSE

COURSE CODE – MAECO01C04

TIME:THREEHOURS   **MAXIMUMMARKS:60**

TOTAL MODULES:4

Part A:

Answer any five questions. (Eachquestioncarries3marks)

1. State any two important properties of determinant of amatrix
2. Distinguish between multiple and partialcorrelation
3. Define an impossibleevent
4. Write a short note on Paretodistribution
5. Explain central limittheorem
6. ExplainLevelofSignificance

$(5 \times 3 = 15)$

Part B Answer any three

(Each question carries 5 marks)

7. Find Rank correlation co-efficient for the followingdata

X	4	9	6	2	5	3	10	8
Y	10	50	15	30	35	20	40	25

8. Two unbiased dice are thrown find the probabilitythat

   a) Both the dice shows the samenumber

   b) Total of the number on the dice is greater than10

9. Distinguish between point and interval estimation with examples

10. Following table gives the number of units produced by two workers A and B for a number of days. Test the variance by using F test at 5 % level of significance.

A	34	28	42	37	44
B	36	33	48	38	50

11. Apply Chi- Square and test the relationship between Economic status and financial Autonomy at 5% significance level

Status/

Autonomy	Rich	Poor
Autonomous	12	10
Not Autonomous	16	6

(3 ×5= 15)

Part C

Answer any three questions. (Each question carries 10 marks)

12. Solve the Linear Equation by using Matrix Algebra X1 - X2 = 3

X2 + X3 = 2 X3 - X1 = 1

13. Find regression equation of Y on X and X on Y by using the following data

X	41	53	54	55	43
Y	45	51	48	43	39

14. Fit a normal distribution to the following table

x	5	15	25	35	45
f	2	10	30	15	3

15. Construct an ANOVA table and state your conclusion using the following data and also Check is there any significant difference in items A, B and C

A	B	C
14	14	18
16	13	16
18	15	16

16. Briefly the importance of statistical estimation in Economics and critically evaluate the desirable prosperities of a good estimates(3 ×10= 30)

SECOND SEMESTER M.A.ECONOMICS DEGREE EXAMINATION UNDER CBCSS 2020

PAPER –V: MAECO02C05: INTERNATIONAL ECONOMICS (CORE)

TIME: THREE HOURS MAXIMUMMARKS:60
TOTAL MODULES: 4

Part A: Answer any five questions. (Each question carries 3 marks. 5 ×3= 15)

1. What does the Heckscher–Ohlin theorypostulate?
2. What is meant by an ad valorem, a specific, and a compoundtariff?
3. What is meant by economic integration, a preferential trade arrangement, a free trade area, a customs union, a common market and an economicunion?
4. What is purchasing-power parity theory, and relative purchasing-power paritytheory?
5. What is the J-curveeffect?
6. What is the natural level ofoutput?

Part B: Answer any three. (Each question carries 5 marks. 3 ×5= 15)

7. What is meant by gains from exchange and gains fromspecialization?
8. What is meant by the Leontief paradox? What are some possible explanations of the paradox?
9. What are the technical, administrative, and other nontariff barriers to trade? How do they restrict trade? What is the importance of these nontariff trade barriers relative to tariffbarriers?
10. What is meant by the exchange rate? How is the equilibrium exchange rate determined under a flexible exchange ratesystem?
11. What is the Marshall–Lerner condition for a stable foreign exchange market? for an unstable market? for a depreciation to leave the nation's balance of payments unchanged?

Part C: Answer any three questions. (Each question carries 10 marks. 3 ×10= 30)

12. What is meant by factor-intensity reversal? How is this related to the elasticity of substitution of factors in production? Why would the prevalence of factor reversal lead to rejection of the H–O theorem and the factor–price equalization theorem? What were the results of empirical tests on the prevalence of factor reversal in the real world?
13.What are the technical, administrative, and other nontariff barriers to trade? Howdo they restrict trade? What is the importance of these nontariff trade barriers relative to tariffbarriers?
15. What determines the value of the exchange rate and its change under a flexible exchange

rate system according to the monetary approach? How does a managed floating exchange rate system compare with a flexible and fixed exchange rate system from the point of view of the monetaryapproach?

16. How can fiscal and monetary policies be used to achieve full employment and external balance under fixed exchange rates and limited international capital mobility? with high international capitalmobility?

FIRST SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS

PAPER –VI: MAECO02E01: RESEARCH
METHODOLOGY(ELECTIVE)
TIME:THREEHOURS   MAXIMUM MARKS: 60
TOTAL MODULES:4

Part A:
Answer any five questions. (Each question carries 3 marks)

1. Explain research gap?

2. Explain survey ofliterature?

3. What is case studymethod?

4. Explain bibliography?

5. What is objectivity in social scienceresearch?

6. Differentiate research method and researchmethodology?

(5 ×3= 15)

Part B Answer any three
(Each question carries 5 marks)

7. Evaluate the relation between theory andresearch.

8. Identify the features of interdisciplinaryresearch.

9. How would you explain the types of researchdesign?

10. Examine the sample surveymethods.

11. Identify the methods ofdata collection.   (3 ×5= 15)

Part C
Answer any three questions. (Each question carries 10 marks)

12. Examine the features of writing ofreport.

13. Assess the benefits and drawbacks of secondary data collectionmethods.

14. How would you explain data analysis andtechniques?

15. Identify research and it'stypes.

16. Examine steps inresearchprocess.   (3 ×10= 30)

SECOND SEMESTER M.A.ECONOMICS DEGREE EXAMINATION UNDER CBCSS 2020

PAPER –VII: MAECO02E02: PUBLICECONOMICS (ELECTIVE)

TIME: THREE HOURS MAXIMUMMARKS:60
TOTAL MODULES: 4

Part A: Answer any five questions. (Each question carries 3 marks. 5 ×3= 15)

1. State the fundamental theorems of welfareeconomics.
2. Differentiate pure public goods with pure privategoods.
3. Explain Lindahl'sequilibrium
4. Explain the concept of Impact, Incidence and Shifting ofTax
5. What is a lump-sumtax?
6. What are the canons of publicexpenditure?

Part B: Answer any three. (Each question carries 5 marks. 3 ×5= 15)

7. Explain the basic conditions of Parettoefficiency
8. Explain the uniform, progresive, proportional and regressive taxation.
9. What are the implications of a government budget deficit or a budgetsurplus?
10. Explain the role of fiscal policy in stabilizing theeconomy.
11. What is a finance commission? State the functions of the financecommission.

Part C: Answer any three questions. (Each question carries 10 marks. 3 ×10= 30)

12. What are market failures? Explain the six different conditions under which market fails?
13. Explain India's experience with Goods and ServiceTax
14. Evaluate FRBMAct
15. Examine fiscal decentralisation inIndia.

SECOND SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020

ECONOMICS

**PAPER–VIII: ECONOMICSOFGROWTHANDDEVELOPMENT
ELECTIVECOURSE
COURSE CODE – MAECO02E03**

TIME:THREEHOURS   MAXIMUM
MARKS: 60

TOTAL MODULES: 4

Part A:

Answer any five questions. (Eachquestioncarries3marks)

1. Define entitlementapproach.
2. Whatarethelimitationsofabig-pushtheoryinadevelopingeconomycontext?
3. Describe 'goldenage.'
4. Define the age of massconsumption.
5. Distinguish between inward looking and outward lookingstrategies
6. Explain the contributions of GrameenBanks

(5 ×3= 15)

Part B Answer any three(Each question carries 5 marks)

7. Discuss the obstacles of economic development ofLDCs.
8. Explain the Myrdal's strategies on economicdevelopment
9. Evaluate the decentralized planning experiences inKerala.
10. Discuss the developments of micro credit inIndia.
11. Evaluate Marxian theory of economicdevelopment

(3 ×5= 15)

Part C
Answer any three questions. (Each question carries 10 marks)

12. Examine the salient features of modern economicgrowth

13. Discuss the role of international organizations in the development of third world countries.

14. EvaluatetheeffectsofGlobalisationandrecentpolicychangesonIndianagriculture sector

15. Explain the role of technology on India's developmental experience during covid-19 period

16. Discussthemainfeaturesofclassicaltheoriesofeconomicdevelopment.

$$(3 \times 10 = 30)$$

FIRST SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS
PAPER –MAECO02E06: ENVIRONMENTAL ECONOMICS (CORE)

TIME:THREEHOURS   **MAXIMUM MARKS:60**
TOTAL MODULES:4

Part A:
Answer any five questions.
Examine the law of en(Each question carries 3 marks)

1. Explain resourcetaxonomy

2. What do you mean byexternality

3. Examine the law ofentropy

4. Explain in situ and ex situcultivation

5. Explain the material balancemodel

6. What is watershedmanagement?$(5 \times 3 = 15)$

Part B Answer any three
(Each question carries 5 marks)

7. How environmental Kuznets curve established the relationship between income and level of pollution in aneconomy

8. Howcanyouestablishtheinterfacebetweenenvironmentandeconomy?

9. How will you tackle the challenges of determining the intensity and quantum of pollution?

10. Analyseathetotaleconomicvalueofatropicalforestwithatypicalexamples.

11. Identifythesituationandcontextinwhichhedonicpricingmethodissuedforvaluing theenvironment.$(3 \times 5 = 15)$

Part C
Answer any three questions. (Each question carries 10 marks)

12. How the value of an environmental good is estimated under surrogate market methods and simulated marketmethods.

13. Assessthebasiccausesofmarketfailureandalsoassessapproachtowardsmarket failure.

14. Critically evaluate how direct economic instrument can control environmental pollution.

15. HowfarEIAwillbeaneffectivetoolinmakingtheprojecteco-friendly?

16. Assesstheimpactofclimatechangeonagricultureanddevelopment(3 ×10= 30)

THIRD SEMESTER M.A.ECONOMICS DEGREE EXAMINATION UNDER CBCSS 2020 PAPER

–XII: MAECO03C07: POLITICAL ECONOMY (CORE)

TIME: THREE HOURS   MAXIMUMMARKS:60TOTAL MODULES: 4

Part A: Answer any five questions. (Each question carries 3 marks. 5 ×3= 15)

1. What are the main features of the mercantilistsystem?
2. Explain the theory behind Marx's theory of the falling rate of profit?
3. Three principal tenets in the Keynesian description of the working of theeconomy
4. Explain Becker's economic approach to humanbehavior
5. ExplainNeoliberalism
6. What isfinancialisation?

Part B: Answer any three. (Each question carries 5 marks. 3 ×5= 15)

7. Describe Adam Smith's theory ofdistribution?
8. What is a classical theory ofvalue?
9. Summarize the most important points of the CommunistManifesto.
10. What was the 'neo-classical synthesis'?
11. Explain Rudolph Hilferding's ideas on Socialism, Freedom andDemocracy

Part C: Answer any three questions. (Each question carries 10 marks. 3 ×10= 30)

12. Discuss the development of classical political economy as normalscience.
13. In what ways was the Marginal Revolution a true break with thepast?
14. Considertheroleofmarketsandthestateindifferentapproachestounderstanding   a capitalisteconomy.
15. Discuss the rise of the finance ledcapitalism

THIRDSEMESTERM.A.DEGREE EXAMINATIONUNDERCBCSS2020
ECONOMICS
PAPER –X : ECONOMETRICS CORE COURSE
COURSE CODE – MAECO03C08
TIME:THREEHOURSMAXIMUMMARKS: 60

TOTAL MODULES: 4

Part A:Answer any five questions.(Each question carries 3 marks)

1. ExplainInertia.

2. State BLUEproperty

3. Explain Method of Poolingdata

4. What is identificationtrap?

5. Explain LagScheme
6. Whatdoyoumeanbyco-integration   (5 ×3=15)

Part B Answer any three

(Each question carries 5 marks)

7. Briefly explain the features of stochasticterm

8. Discuss the methods of detectingAutocorrelation

9. ExplainILSmethodwiththehelpofKeynesianmodel,$C=\alpha+\beta Y+U$ and $Y=C+I$

10. Briefly discuss about the use of dummy variables ineconometrics

11. Explaindifferenttestsusedincheckingstationaryoftimeseriesdata(3×5=15)

Part C
Answer any three questions. (Eachquestioncarries10marks)

12. Estimatethecapitaladjustmentmodel,Stockofcapital(Z)=f(Income,Y)

Z	50	50	75	75	80	90	100	120	115	90
Y	100	100	150	180	186	157	132	100	150	100

13. Explaintheroleof'lag'inEconomicswiththehelpoflaggedmodels.

14. Discusstheimportanceofeconometricmodellinginexperimentalresearch

15. WriteanessayonIdentificationandidentifythefollowingdemandandsupplymodel formoney

Moneydemand $M_d = 2\ Y_t+ 5\ R_t+ P_t +U1$

Moneysupply $M_s = 3\ Y_t+U2$

16. BrieflydiscussabouttheroleofTimeseriesdatainEconomicresearch(3 ×10=30)

THIRD SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS
PAPER 11: MAECO03E04: POPULATION STUDIES (ELECTIVE)
TIME:THREEHOURSMAXIMUM MARKS:60 TOTAL MODULES:4

Part A:
Answer any five questions. (Eachquestioncarries3marks)

1. Explain the types ofdemography.

2. What do you mean by populationprojection?

3. Examine the determinants of sex structure ofpopulation

4. Explain the techniques of measuring urbanpopulation.

5. How mortality ismeasured?

6. Explain the concept of DemographicTransition(5 ×3= 15)

Part B Answer any three(Each question carries 5 marks)

7. State the factors affecting fertility and mortality in developingcountries.

8. Make out the problems associated withageing.

9. 'Population as a limit to growth', population as an ultimatesource'-Discuss.

10. Exemplify the types and limitations of populationprojection

11. Point up the importance of Family welfareprogrammes(3 ×5= 15)

Part C
Answer any three questions. (Eachquestioncarries10marks)

12. Assess the major objectives of National Population Policy2000.

13. Illustrate the Methods of populationdata

14. Discuss the implications of out-migration fromKerala.

15. State the measures offertility.

16. Assess the techniques used for measuring populationprojection

(3 ×10= 30)

THIRDSEMESTERM.A.DEGREEEXAMINATIONUNDERCBCSS2020

ECONOMICS

PAPER –XIII: AGRICULTURAL ECONOMICS

ELECTIVE COURSE COURSECODE–MAECO03E05

TIME:THREEHOURSMAXIMUMMARKS:60 TOTAL MODULES:4

Part A:

Answer any five questions. (Eachquestioncarries3marks)

1. Explain major functions of national commission offarmers

2. Explain lease landfarming

3. Explain cobwebtheorem

4. Explain important factors determining agricultureproductivity

5. What do you meant by organicfarming?

6. Explain futuretrading(5 ×3= 15)

Part B Answer any three

(Each question carries 5 marks)

7. Discuss about Inter-relationship between agriculture andindustry

8. ExplainvarioustypesoffarmingandcroppingpatternadoptedinIndia

9. Evaluate present system of agricultural marketing inIndia

10. Evaluate Impact of agricultural development onenvironment

11. Discuss about various issues faced by Indianfarmers(3 ×5= 15)

Part CAnswer any three questions. (Eachquestioncarries10marks)

12. Briefly discuss a theories of agriculturaldevelopment

13. Critically evaluate various agriculture policies adopted inIndia

14. BrieflydiscussaboutEmergingconstraintsandprospectsofagriculturaldevelopment inKerala.

15. Critically evaluate impact of WTO-Agreements onAgriculture

16. ExplaindefinitionandscopeofAgricultureEconomicsinIndiancontext(3 ×10= 30)

**FIRST SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS**

PAPER –XIV: MAECO04C09: FINANCIAL INSTITUTIONS AND MARKETS.
(CORE)
TIME:THREE HOURS   MAXIMUM MARKS: 60 TOTAL MODULES:4

Part A:
Answer any five questions. (Each question carries 3 marks)
1. Explain the merits of certificate of depositmarket?

2. Explain offshore banking?

3. Explain financial innovation?

4. Explain mobilebanking?

5. Explain debtsecuritization?

6. Explain importance of stockexchanges?

$(5 \times 3 = 15)$

Part B Answer any three
(Each question carries 5 marks)

7. Identify the features of moneymarket.

8. Examine the growth and role ofNBFIs.

9. Analyse the financial system and economicdevelopment.

10. Examine merits and demerits of plasticmoney.

11. Identify the importance of digital technology in bankingsector.$(3 \times 5 = 15)$

Part C
Answer any three questions. (Each question carries 10 marks)

12. Critically examine the financial sectorreforms.

13. Examine the features of disinvestment inIndia.

14. How would you explain the indicators of financialdevelopment.

15. Identify the present state of

    mutual funds inIndia.

16. How would you explain the features of new generationbanks.

$(3 \times 10 = 30)$

FOURTH SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020

ECONOMICS

PAPER –XV: MATHEMATICAL ECONOMICS

ELECTIVE COURSE COURSECODE–MAECO04E06

TIME:THREEHOURS   **MAXIMUMMARKS:60**

TOTAL   MODULES:4

Part A:

Answer any five questions. (Eachquestioncarries3marks)

1. Distinguish between closed and open input outputmodel

2. Explain the nature of utilityfunction

3. State the important features of Stackelbergequilibrium

4. Write a note on VES Productionfunction

5. The total revenue function is $R = 2q^2 + 5q$ Obtain the average revenue and marginal revenue at $q = 10$.

6. Distinguish between maximin and minimaxstrategy $(5 \times 3 = 15)$

Part B Answer any three(Each question carries 5 marks)

7. Discussthekinkeddemandcurvesolutionwhere P_1
   $= 100 - 2q_1 - q_2$ $\qquad$ $C_1 = 2.5q_1^2$

$P_2 = 95 - q1 - 3q_2$ $\qquad$ $C_2 = 25q_2$

8. Explain Hawkin-Simoncondition
9. Derivetheordinarydemandfunctionandstatetheimportantproperties
10. State the important features of CES productionfunction
11. Find the second order derivatives for the followingfunction

   a) $Z = x^2 + y^2$ $\qquad$ b) $Z = x^2 y^2 (3 \times 5 = 15)$

Part CAnswer any three questions. (Eachquestioncarries10marks)
12. Derive Cost as a function ofoutput.
13. Determine the total output for the following input-output matrix, A and the final demand

vector, D

$$
A = \begin{matrix} 0.2 & 0.1 & 0.1 \\ 0.2 & 0.5 & 0.2 \\ 0.1 & 0.2 & 0.3 \end{matrix} \qquad D = \begin{matrix} 100 \\ 300 \\ 500 \end{matrix}
$$

14. SolvetheLPPbyusingSimplexmethod

   Max $Z = 3 x1 + 4x2$

s. t $\quad 2x1 + 5 x2 < 24$

$\qquad 4 x1 + 2 x2 < 16$

$\qquad x1 > 0, x2 > 0$

15. Briefly discuss the role of Differential calculus inEconomics.
16. Write an essay on Non- Collusive OligopolyModels

$(3 \times 10 = 30)$

FOURTHSEMESTERM.A.DEGREEEXAMINATIONUNDERCBCSS2020
ECONOMICS
PAPER16:OPERATIONSRESEARCHFORECONOMICANALYSIS (ELECTIVE)
TIME:THREEHOURS   MAXIMUM MARKS:60
TOTAL MODULES:4

Part A:
Answer any five questions. (Eachquestioncarries3marks)

1. What do you meant by construction ofnetworks?

2. Write a note on non linearprogramming.

3. Prepare dummy transportationproblem.

4. Briefly explain dominanceproperty.

5. What is decisiontree?

6. Writedownthedualofthefollowingproblem

    MaximizeZ=X1+6X2

Subjectto   X1+3X2≥2

X1+3X2≤3 X1, X2≥0

(5 ×3= 15)
Part B Answer any three(Each question carries 5 marks)

7. Describe the methods used for decision making underuncertainty

8. Explain constrained maxima andminima

9. SolvethetransportationproblembyusingVogel'smethodandcheckthesolutionfor
   optimality.

Destinations

Source:	1	2	3	4	Supply
21	16	15	3	11	
17	18	14	23	13	
32	27	18	41	19	
Demand	6	10	12	15	

10. Whatisamodel?Statethedifferenttypesofmodelsusedinoperationsresearch.

11. A firm owner is seriously considering of a farm well. In the past, only 70% of wells drilled
    were successful at 200 feet depth in the area. Moreover on finding no water at 200 ft, some

persons drilled it further up to 250 feet but only 20% struck water at 250 ft.The prevailing cost of drilling isRs.50 per ft.The farm owner has estimated that in case he does not get his own wells he will have to pay Rs.15000 over the next 10 years, in PV term, to buy water from the neighbour .The following decisions can be optimal 1)Do not drill any well 2)Drill up to 200 feet 3)If no water is found at 200 ft,drill further up to 250 ft.Draw an appropriate decisiontreeanddeterminethefarmownersstrategyunderEMVapproach.(3 ×5= 15)

Part C
Answer any three questions. (Eachquestioncarries10marks)

12. Explaintherelevanceofmathematicalformulationoflinearprogramming

13. Tablebelowgivesthescheduleofweldingactivitiesinanassemblyshop.

Activity	Durationdays b)
0-1	2
1-2	4
0-3	2
2-5	1
3-4	2
4-5	5
5-6	3

a. Draw thenetworkdiagram   b.CalculateTE,TLvalues,EST,LST,EFT,LFTandtotalfloats

c.Mark the critical path and find total projectduration.

14.Solvethefollowingproblembyusingsimplexmethod.

MaximizeZ=6X1+4X2

Subject to -2X1+X2≤2 X1-X2≤2

3X1+2X2≤9   X1,X2≥0

15.Analyzethesaddlepointtheorem.Andhowgameproblemissolved.

16.ExplainthegeneralstructureoftheTransportationproblemandstatetheadequacyofmethod for solving Assignmentproblem.(3 ×10= 30)

SECOND SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS
PAPER :MAECO02E08: DEVELOPMENT OF ECONOMIC IDEAS (ELECTIVE)
TIME:THREEHOURSMAXIMUM MARKS:60 TOTAL MODULES:4

Part A:Answer any five questions. (Eachquestioncarries3marks)

1. Explainmercantilism

2. What is economicthought?

3. Explain Mill's socialistprogramme

4. Explain scope of politicaleconomy

5. Explain capitalaccumulation

6. Explain Friedman's restatement of quantitytheory(5 ×3= 15)

Part B Answer any three(Each question carries 5 marks)

7. EvaluatethecontributionofAdamSmithtothehistoryofeconomicthought

8. Discuss the features ofMarxism
9. Discuss the economic thought of MahatmaGandhi

10. Explain economic thought of RagnarNurkse

11. Physiocracy is the science of natural order.Explain(3 ×5= 15)

Part C
Answer any three questions. (Eachquestioncarries10marks)

12. Throwlightonthecircumstancesleadingtotheriseandfallofcapitalism.Evaluate

13. Discuss main contribution of marchandalist to economicthought

14. Evaluate Malthusian theory ofpopulation

15. AssessRicardiantheoryofdistribution

16. AnalyzeKoutilya'seconomicthought.(3 ×10= 30)

PROJECT FORMULATION AND EVALUATION (ELECTIVE COURSE)
COURSE CODE - MAECO04E14

TIME:THREEHOURSMAXIMUMMARKS:60 TOTAL MODULES:4

Part A:

Answer any five questions. (Eachquestioncarries3marks)

1. Explain CapitalBudgeting

2. Explain urgencycriterion
3. Why situational analysis isconducted?
4. What is a work schedule? What purpose does itserve?
5. Why money has timevalue
6. Explain the concept Projectreview(5 ×3= 15)

Part B Answer any three

(Each question carries 5 marks)

7. What are the sources of positiveNPV
8. Whatarethefactorsthatdeterminesselectionofsuitablelocationforcapitalproject
9. Discuss about the various time series projectionmethods
10. ExplaintheimportanceofResearchandDevelopmentingenerationofprojectideas.
11. Write a short essay ondiversification

(3 ×5= 15)

Part C

Answer any three questions. (Eachquestioncarries10marks)

12. Critically evaluate nature of public projects inIndia
13. Discuss about the special decision situation in capitalbudgeting
14. Explain the various methods used in RiskAnalysis
15. WriteanessayonSocialCostBenefitAnalysiswithsuitableexample.
16. Enumeratethebasiccriteriaforselectingthebestprojectopportunities.

(3 ×10= 30)

FOURTH SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020
ECONOMICS
PAPER :MAECO04O01: HEALTH ECONOMICS
Multi-disciplinary/Inter-disciplinary soft core Courses/Mooc Course/Open
Courses
TIME:THREEHOURSMAXIMUM MARKS:60 TOTAL MODULES:4
Part A:
Answer any five questions. (Eachquestioncarries3marks)

1. What is government role in healthcareservices?

2. Define healtheconomics

3. Explain the objectives of healthcare

4.   What is health caremanagement?

5. What is healthpolicy?

6. Explain equity in healthcare.(5 ×3= 15)

Part B Answer any three(Each question carries 5 marks)

7. Examine the basic concepts of health economics and the relevance in healthcare delivery.

8. Illustrate resources and technology available in health caresector.

9. Discuss unique nature of input output process of healthcare.

10. Describe the nature and scope of healtheconomics

11. Prioritize public private partnership in health care delivery model and what are its merits and demerits in health caredelivery?(3 ×5= 15)

Part CAnswer any three questions. (Eachquestioncarries10marks)

12. Discuss roles of government providing health care services in India and explain various health carepolicies.

13. Assess health care management strategies available inIndia.

14. Howwillyoufindoutandmeasurethedemandandsupplyforhealthcareproductin India.

15. Whether public private partnership is essential in Indian heath care industry? Substantiate yourviews.

16. Assess health care development inKerala.

(3 ×10= 30)

FOURTH SEMESTER M.A.DEGREE EXAMINATION UNDER CBCSS 2020

ECONOMICS

MAECO04O02: GENDER ECONOMICS

Multi-disciplinary/Inter-disciplinary soft core Courses/Mooc Course/Open Courses

TIME:THREEHOURSMAXIMUMMARKS:60 TOTAL MODULES:4

Part A:Answer any five questions.

(Each question carries 3 marks)

1. ExplainGender

2. Distinguish between Feminity andMasculinity

3. Explain collectivebargaining

4. Explaingenderrolesandstereotypes

5. Whatdoyoumeantbygenderaudit?

6. Distinguish between paid and unpaidwork(5 ×3= 15)

Part B Answer any three(Each question carries 5 marks)

7. Distinguish between Patrilineal and Matrilineal systems and its relevance to present Indiansociety

8. Explain in detail about the various criteria that you would use to assess gender development

9. Explain the role of community for genderempowerment

10. Briefly discuss about the causes of declining sexratio

11. Evaluate the effects of education and knowledge on women's participation in decisionmaking

(3 ×5= 15)

Part C

Answer any three questions. (Eachquestioncarries10marks)

12. Explaindefinition,scopeandvariousconceptsofgendereconomics

13. Briefly discuss about various issues faced by women inworkplace

14. Discuss about National policy for empoweringwomen

15. Brieflyexplainvariousinternationalmeasurestoprotectwomen's'rights

16. Critically evaluate role of technology and modernization on women's education and accesstoemployment   (3 ×10=30)