



M.O.P. VAISHNAV COLLEGE FOR WOMEN

(AUTONOMOUS)

Choice Based Credit System

**Course of Study for the batch of Candidates
admitted in**

2021-2022

2020-2021

2019-2020

ACADEMIC YEAR 2021-2022

B.A ECONOMICS

Activities / Content with direct bearing on

Employability/ Entrepreneurship/

Skill Development

M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS), CHENNAI-34

(Effective for the batch of candidates admitted in 2021-2022)

B.A. ECONOMICS

**Choice Based Credit System
Course for the batch of Candidates
admitted in 2021 – 2022**

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B.A. ECONOMICS

CORE I – INTRODUCTORY MICROECONOMICS

COURSE CODE: 20UECO301	YEAR/SEM: I/I	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To develop foundation of the microeconomic principles and economic way of thinking in individual economic decision-making process

COURSE OBJECTIVES (Co):

CO No.	Course Objective
Co1	To introduce the foundation concepts and methodology of economic theory
Co2	To elaborate the basic laws of demand and supply and their functioning in the market and daily life
Co3	To explore the concept of consumer equilibrium and changes in consumer behaviour due to changes in prices and income
Co4	To describe the various types of production and cost functions and identify various economies and diseconomies of scale
Co5	To classify different kinds of market structures and price output determination mechanism

COURSE CONTENT

Unit – I: Introduction to Microeconomics

The scope and **methods of economics**, scarcity and choice - Basic problems of economic system

Basic Concepts – Production Possibility Frontier, **Opportunity Cost**, Equilibrium, time and efficiency (10

Hours)

Unit – II: Demand and Supply Analysis

Demand – demand function, determinants, law of demand, **shifts in demand, exceptions to the law of demand** – Elasticity of demand – price, income, cross, factors affecting elasticity of demand, measurement of elasticity of demand, applications of elasticity of demand, Supply-supply function, determinants, law of supply, supply curves, Elasticity of supply and its application (15

Hours)

Unit – III: Consumer Behaviour

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Cardinal utility Analysis –law of diminishing marginal utility, law of equi-marginal utility consumer equilibrium, Ordinal utility analysis – indifference curve and schedule, Marginal Rate of Substitution (MRS), properties of indifference curves, Consumer equilibrium -price, income and substitution effects – introduction to revealed preference theory – Concept of consumer surplus (10 Hours)

Unit – IV: Theory of Production and Costs

Production – short run and long run production function, production function with two variable factors, Costs – cost concepts and classifications, cost output relations, Economies and diseconomies to the scale of production (15 Hours)

Unit – V: Market Structures – I

Revenue Concepts, Market classification - firm and industry concepts - time element , Price and Output determination under perfect competition, Monopoly – Characteristics, Price and output determination under Monopoly in short run and long run, price discrimination – degrees of price discrimination; applications of price discrimination and case of dumping (10 hours)

Text Book:

- H.L. Ahuja (2018), Advance Economic Theory, S. Chand Publication, 21e
- Robert Pindyck and Daniel Rubinfeld (2017), Microeconomics, Pearson Publication, 8th edition

Reference Books:

- Paul A Samuelson & William D Nordhaus (2013), Economics, McGraw Hill Publication, 19e
- Karl E. Case and Ray C. Fair (2007), Principles of Economics, Pearson Education Inc., 8th Edition.
- N. Gregory Mankiw, Economics: Principles and Applications (2007), India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition.
- Joseph E. Stiglitz and Carl E. Walsh (2007), Economics, W.W. Norton & Company, Inc., New York, International Student Edition, 4th Edition.

WEB RESOURCES:

- <https://openstax.org/details/books/principles-microeconomics-2e>
- https://ocw.mit.edu/ans7870/14/14.01SC/MIT14_01SCF11_rtext.pdf
- <https://www.youtube.com/watch?v=Vss3nofHpZI&list=PL61533C166E8B0028&index=1>
- <https://www.businessstopia.net/economics/micro/uses-price-elasticity-demand-business-decision-making>
- <https://mh.bmj.com/content/29/2/81.full>
- <https://www.investopedia.com/ask/answers/042215/what-difference-between-economies-scope-and-economies-scale.asp>
- https://link.springer.com/chapter/10.1007/978-1-349-01860-4_2
- <https://fee.org/articles/competition-monopoly-and-the-role-of-government/>

ACTIVITY PLANNER

M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS), CHENNAI-34*(Effective for the batch of candidates admitted in 2021-2022)***B.A. ECONOMICS**

S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Think-Pair- share: Introduction to Microeconomics	Cooperative learning		
2	Activity: Take a survey of the selfishness of at least 10 random people and record your observations	Survey skills		
3	Hands-on activity: Opportunity cost	Experiential learning		Decision making skills
4	Activity: Prepare an elaborate list of items used at home and classify them in various categories of goods. Record the changes in purchase with a change in prices and comment on elasticity of demand	Experiential Learning Economic way of thinking		
5	MCQ preparation		Competitive exam skills	
6	Class activity: Drawing of indifference curve, budget line and equilibrium with the help of hypothetical data.	Illustration skills		
7	Class discussion: “How do you spend pocket money received from your parents? Justify.”		Application of economic concepts (Consumer utility analysis)to expenditure in real life	
8	Panel Discussion: Topic: “Are Large scale industries more efficient in capacity utilisation?”	Interactive learning		Optimization of production and cost
9	Class Discussion: Indian Railways and monopoly practices.	Participatory learning		

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COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Define, elaborate and examine core economic terms, concepts, and methodology of microeconomics	1	An
CO 2	Graphically illustrate and critically explain various laws and theories	1	E
CO 3	Develop rational thinking in consumer decision making process	4	C
CO 4	Elaborate and test the relationship between short run and long run production function, short run and long run cost functions	1, 2	E
CO 5	Distinguish between the various forms of market and establish market equilibrium under perfect competition and monopoly	2	An

*PSO – Programme Specific Outcome; Co – Course Objective; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

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B.A. ECONOMICS

CORE II - INDIAN ECONOMY - I

COURSE CODE: 20UECO302	YEAR/SEM:I/I	MAX. MARKS: 100
COURSE TYPE:THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To equip students with conceptual foundations and relevant data on macroeconomic concepts and sectors of Indian economy.

COURSE OBJECTIVES (Co):

CO No.	COURSE OBJECTIVE
Co1	To outline the nature of Indian economy during the colonial era
Co2	To discuss the objectives and strategies of planned economic development since 1950
Co3	To provide qualitative and quantitative overview of national income accounts and population
Co4	To discuss the prominent issues and challenges related to poverty and unemployment in the Indian economy
Co5	To assess the importance of agriculture and various policy developments for its growth

Unit – I Introduction to Indian Economy

An overview of Indian economy in colonial rule – features of Indian Economy – nature of Indian economy – major issues of development in India (12 hours)

Unit – II Indian Economy Since 1950-51

Planned Economic Development in India – Objectives and development strategy in India – Broad achievements and failures of planning in India – economic crisis and rationale behind economic reforms – New Economic Policy (LPG) 1991 – NITIAYOG (12 hours)

Unit – III National Income and Human Development Index

National income – sectoral contributions and economic transition in India – Inequality - income and regional inequality – causes and corrective measures; – HDI – International comparisons (12 hours)

Unit – IV Poverty and Unemployment

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Poverty – definition and estimate, Gini Coefficient, SEN Index, poverty line, poverty alleviation programs, Unemployment – concepts, measurement, types, causes and remedial measures (12 hours)

Unit – V Agriculture

Indian agriculture – role, nature and cropping patterns – trends in production and productivity in agriculture –land reforms – green revolution – rural credit –agricultural pricing - agricultural marketing – food security (12 hours)

TEXT BOOK:

- P. K. Dhar (2018), Indian Economy – Its Growing Dimensions, Kalyani Publications 25th edition.

REFERENCE BOOKS

- Ahluwalia, I. J. and IMD Little (Eds.) (1998). India's Economic Reforms and Development, Oxford University Press, New Delhi.
- Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi.
- Byres, T.J. (Ed.) (1998), The Indian Economy: Major Debates Since Independence, Oxford University Press, New Delhi.
- KausikBasu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.
- Uma Kapila (Ed.) (2017-18) Indian Economy Since Independence , Academic Foundation, New Delhi, 28th Edition.
- AshimaGoyal(Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press.

WEB RESOURCES:

- www.economicsonline.co.uk
- www.weforum.org
- www.yourarticlelibrary.com
- www.worldpopulationreview.com
- www.climate-policy-watcher.org
- www.rbi.org.in
- www.ijesit.com
- www.ejolt.org
- www.planningcommission.nic.in

ACTIVITY PLANNER

(These activities are only indicative. Subject faculty can innovate)

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S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Scrapbook Assignment	Research skills, Presentation skills		
2	Group Discussions :Topics of Importance from Competitive exams point of view: NEP 1991	Interactive learning	Competitive exam skills	Exposure to economic environment
3	Trend analysis: India's National income	Data Analysis skills	Competitive exam skills	
4	Group Assignment : To Present The Various Poverty Alleviation Programs	Presentation skills, Report writing skills	Research skills	
5	MCQ quiz: Trends in agricultural production and productivity		Competitive exam skills	
6	Debate: Green revolution	Critical thinking skills		

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COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Appraise the nature and problems of Indian economy	2	An
CO 2	Describe the role of planned development and analyse the performance of the Indian Economy in the planning and post-planning era	3	An
CO 3	Evaluate the performance of various sectors and population demographics using data	4	E
CO 4	Compare the different indices to measure poverty and inequality and assess the causes of Poverty, Inequality and Unemployment in India	1	An
CO 5	Evaluate the contribution of Agricultural sector and argue various policy programmes aimed at its growth	5	E

***PSO – Programme Specific Outcome; Co – Course Objective; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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B.A. ECONOMICS

ALLIED I-QUANTITATIVE TECHNIQUES FOR ECONOMICS I

SUBJECT CODE: 20UECO303, 20UECO303P	YEAR/SEMESTER: I/I	MAXIMUM MARKS: 100	80 Theory
			20 Practical
COURSE TYPE: THEORY & PRACTICAL	CREDITS: 5	TOTAL TEACHING HOURS: 75	55 Theory
			20 Practical

GENERAL OBJECTIVE:

To apply statistical tools in analysis, interpretation of data, draw meaningful conclusions and provide a systematic understanding of derivatives in economic laws and relationships.

COURSE OBJECTIVES (Co):

Co.No.	COURSE OBJECTIVE
Co1	To recognize various data collection methods, present data using suitable measures of diagrammatic representation.
Co2	To understand the concepts of measures of central tendency (mean, median, mode) & dispersion (standard deviation, coefficient of variation) and recognize the characteristics of the distribution.
Co3	To identify the appropriate tools of hypothesis testing (large sample tests, small sample tests, Chi-square tests) and draw relevant conclusions in decision making.
Co4	To obtain the derivatives for simple algebraic functions and obtain their maxima and minima.
Co5	To apply differentiation for finding total, average, marginal cost/revenue functions, obtain their maxima /minima and elasticity of demand.

UNIT I Collection and Presentation of Data

Collection of data – Primary data and Secondary data, Methods of collecting Primary data, Drafting the Questionnaire, Sources of secondary data, Editing primary data and secondary data. Classification of data – meaning and objectives of classification, types of classification, Tabulation of data – difference between classification and tabulation, parts of a table.

Diagrammatic and Graphical Presentation - Significance of Diagrams and Graphs, General rules for constructing Diagrams, Types of Diagrams – one dimensional diagrams or bar diagrams – types of bar diagrams – simple bar diagrams, sub-divided bar diagrams, multiple bar diagrams, percentage bars, Pie diagrams, Graphs of Frequency Distributions – histogram, frequency polygon, smoothed frequency curve, cumulative frequency curve or Ogives, Limitations of diagrams and graph (10 hours)

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UNIT II Measures of Central Tendency and Dispersion

Central Tendency: Measures of Central Tendency – Mean, Median and Mode.

Dispersion: Measures of Dispersion – Introduction, Significance, Range, Quartile deviation, Mean deviation, Standard deviation, Co-efficient of Variation. (10 hours)

UNIT III Testing of Hypothesis

Introduction, Procedure of Testing Hypothesis, Two types of Errors, One tailed and two tailed tests, Standard Error.

Large samples- Tests of significance for Single Mean, Difference of Means.

Small Samples- t test for Single Mean, Difference of Means, Paired t test.

Non-Parametric test- Chi-Square for goodness of fit (excluding fitting of distributions) and test for association of attributes. (11 hours)

UNIT IV Differential Calculus (Only Algebraic Functions)

Geometry of Marginal Analysis and its relation to calculus, Process of differentiation, Rules of differentiation, Some Standard results (except differentiation of implicit functions), Second derivatives and applications – maximum and minimum values of a function (no derivations). (12 hours)

UNIT V Applications of Simple Derivatives

Differential Coefficient and Elasticity of Demand, Total, Average and Marginal Cost Curves, Relation Between Average and Marginal Cost Curves, Minimum Average Cost, Total, Average and Marginal Revenue Curves, Relationship between Average Revenue, Marginal Revenue and Elasticity of Demand, Maximum Total Revenue, Conditions for Profit Maximization (no derivations). (12 hours)

TEXT BOOKS

- S.P. Gupta (2016), Statistical Methods, Sultan Chand & Sons Publishers.
Unit I, Unit II & Unit III.
- B.C Mehta G.M.K Madnani (2018), Mathematics for Economists, Sultan Chand & Sons Publishers.
Unit IV: Chapter 6 -Sections 6.1- 6.4, 6.8.
Unit V: Chapter 7 -Sections 7.1- 7.4, 7.6-7.8.

E RESOURCES

Web links

- www.slideshare.net
- Wolfram MathWorld: The Web's Most Extensive Mathematics Resource
- <https://www.khanacademy.org/>

YouTube Video links

<https://www.youtube.com/watch?v=AdH5vfobH5E>
<https://www.youtube.com/watch?v=70nwS0Fs5DM>
<https://www.youtube.com/watch?v=BiLIcCtXmm0>
<https://www.youtube.com/watch?v=DlwOTOydeyk>
<https://www.youtube.com/watch?v=fiMFqfatieE>
<https://www.youtube.com/watch?v=IvLpN1G1Ncg>

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<https://www.youtube.com/watch?v=esxNDR1epto>

<https://www.youtube.com/watch?v=YprjxuGo4O0>

<https://www.youtube.com/watch?v=9VwKtb00v68>

ACTIVITIES WITH DIRECT BEARING ON SKILL DEVELOPMENT

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative, the Faculty member can innovate)

- **Class presentation** on IMPACT OF COVID 19 IN GLOBAL ECONOMY: Data can be represented using diagrammatic and graphical representation
- **Group Activity:** Students analyze data pertaining to per capita income and understand the significance of mean, median, mode.
- **Individual learning:** Students integrate theoretical knowledge with applicable skills and compute range, coefficient of variation of their marks secured in the courses (first semester).
- **Case study Analysis** on Hypothesis testing: Students make inferences about population based on random sample using testing of hypothesis (Chi-Square for goodness of fit).
- **Worksheets** on Differential Calculus: Compute derivatives of simple algebraic functions using rules and standard results.
- **Participatory learning:** Group discussion on different application of derivatives such as average cost / revenue, marginal cost/revenue and elasticity of demand, in global market.
- Students determine whether two categorical data are likely to be related or not using Chi-square test by applying excel tools.

COURSE OUTCOMES:

On completion of the course the students will be able to

CO No.	COURSE OUTCOME	PSOs ADRESSED	COGNITIVE LEVEL
CO1	Apply the various methods of data collection and present data using appropriate tools of diagrammatic/graphical representation.	1,2	Ap
CO2	Determine the measures of central tendency (mean, median, mode), dispersion and employ them to formulate economic policies in national/global environment.	2,4	E
CO3	Choose appropriate statistical analysis tools, apply them in hypothetical environments and evaluate economic behaviours.	1,2,4	E

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CO4	Evaluate the derivatives of simple algebraic functions using standard rules ,employ them in managerial decision making and develop decision making skills needed for employment.	1,2	E
CO5	Determine cost/revenue functions related to derivatives and apply the principles of maxima/ minima in economic analysis.	1,2,3	E

*PSO – Programme Specific Outcome; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create.

ALLIED I QUANTITATIVE TECHNIQUES FOR ECONOMICS I – PRACTICAL

- **DIAGRAMMATIC REPRESENTATION**
Simple bar diagram, Sub-divided bar diagram, Multiple bar diagram, Percentage bar diagram, Pie diagram.
- **METHODS OF CENTRAL TENDENCY**
Mean, Median, Mode.
- **MEASURES OF DISPERSION**
Standard deviation, Quartile deviation, Range, Coefficient of variation.
- **TESTS OF SIGNIFICANCE**
Small samples- t test for single mean, difference of means and paired t test.
Chi-square test for independence of attributes.

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B.A. ECONOMICS

CORE III: INTERMEDIATE MICROECONOMICS

COURSE CODE: 20UECO304	YEAR/SEM:I/II	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To build on the intuition learned in introductory microeconomics and introduce necessary tools for understanding microeconomics at the intermediate level

COURSE OBJECTIVES (Co):

Co No.	COURSE OBJECTIVE
Co1	To illustrate market equilibrium under imperfect competition
Co2	To define the core concepts of game theory and explain its significance in decision making
Co3	To classify classical and modern factor pricing theories
Co4	To elucidate the theories on Rent, Interest and Profit
Co5	To distinguish between Partial and General Equilibrium analysis and introduce the concept of welfare economics

Unit – I: Market Structures - II

Monopolistic competition – meaning, features, price and output determination in the short-run and long run – non price competition (selling cost), excess capacity under monopolistic competition, Oligopoly -Characteristics, Pricing and Output determination under Price Leadership - kinked demand curve model (13 hrs.)

Unit - II Game Theory

Game Theory – Introduction, cooperative and non-cooperative games, dominant strategy, Nash Equilibrium, maximin and minimax strategy, saddle point, prisoner’s dilemma, instability of cartel, entry deterrence (12 hrs.)

Unit – III: Theory of Factor Pricing - I

Theory of distribution - a general view: Pricing of factors in Competitive and Imperfect Markets: MRP, VMP, Factor-Employment equilibrium, General Conditions, factor pricing under Monopsony, Exploitation of Labour under different market situations. (13hrs.)

Unit – IV: Theory of Factor Pricing - II

Various concepts of rent – Ricardian Theory of rent: Scarcity rent, differential rent and Quasi – rent. Classical theory of interest, Keynes’s Liquidity preference theory of interest – Profit as a Dynamic Surplus, Innovation and profits, Risk, Uncertainty and Profits (12 hrs.)

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Unit – V: General Equilibrium and Welfare Economics

General equilibrium – Walras' Analysis – General Equilibrium under pure exchange and production, **Welfare economics** – concept and conditions of Pareto Optimality – compensation principle (10 hrs.)

TEXT BOOK:

- H.L. Ahuja (2018), Advance Economic Theory, S. Chand Publication, 21st edition
- Robert Pindyck and Daniel Rubinfeld (2017), Microeconomics, Pearson Publications, 8th edition

REFERENCE BOOKS:

- Paul A Samuelson & William D Nordhaus (2013), Economics, McGraw Hill Publication, 19th edition
- Karl E. Case and Ray C. Fair 2007, Principles of Economics, Pearson Education Inc., 8th Edition.
- N. Gregory Mankiw, Economics (2007): Principles and Applications, Cengage Learning India Private Limited, 4th edition.
- Joseph E. Stiglitz and Carl E. Walsh, Economics (2007), W.W. Norton & Company, Inc., New York, International Student Edition, 4th Edition.

WEB RESOURCES:

- https://www.researchgate.net/publication/326122139_Regulating_monopoly_price_discrimination
- https://link.springer.com/chapter/10.1007/978-1-349-01860-4_2
- <https://fee.org/articles/competition-monopoly-and-the-role-of-government/>
- <https://www.economist.com/game-theory/2015/02/03/threes-a-charm>
- <https://kids.frontiersin.org/article/10.3389/frym.2017.00066>
- https://www.researchgate.net/publication/256473555_A_REVIEW_OF_GAME_THEORY
- https://www.researchgate.net/publication/335023002_Profit_Theory_1
- https://www.researchgate.net/publication/323388526_Theory_of_Interest_Rate
- https://www.soas.ac.uk/cedep-demos/000_P570_IEEP_K3736-Demo/unit1/page_26.htm
- <https://www.economics.utoronto.ca/osborne/2x3/tutorial/PE.HTM>
- <https://stason.org/TULARC/ideology/anarchy/15-a-The-concept-and-uses-of-Pareto-optimality-in-economics.html>

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

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S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1.	Group Discussion: Price Wars in Indian Telecom Industry	Analytical Skill collaborative Learning		
2.	Group Assignment: A report on MRTP act 1969 and the subsequent changes made in the Act.	Academic Writing Skills Presentation Skills		
3.	MCQ quiz		competitive exam skills	
4.	Case Study Analysis “Are the Big Four Audit Firms Too Big to Fail” – Illustrating how the Oligopolistic Market Structures apply their Pricing Strategies to Compete with other firms.	Problem Solving Skills		

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5.	Game Theory: Simulation Model – “Evolution of Trust “– Game Simulation Model to Depict the Examples for Nash Equilibrium, Dominant Strategy, Co-Operative and Non-Co-operative, Prisoners Dilemma.	Experiential Learning		
6.	Article review	Research Skills Critical Thinking, Analytical Skills		
7.	Open Forum: Topic: “Are innovative companies more profitable”	Interactive Learning		

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COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Distinguish between the various forms of market and establish market equilibrium under monopolistic competition and oligopoly	1, 2	An
CO 2	Develop strategies by applying the tools and concepts of game theory in decision making	4	C
CO 3	Analyse various kinds of factor markets and price determination process of factor inputs	2, 3	An
CO 4	Evaluate the various theories of rent, interest and profits	1	E
CO 5	Analyse General Equilibrium and welfare using Edgeworth box	1, 2	An

*PSO – Programme Specific Outcome; Co – Course Objective; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

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B.A. ECONOMICS

CORE IV - INDIAN ECONOMY – II

COURSE CODE: 20UECO306	YEAR/SEM: I/II	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To equip students with conceptual foundations and relevant data on macroeconomic concepts and sectors of Indian economy

COURSE OBJECTIVES (Co):

Co No.	COURSE OBJECTIVE
Co1	To assess the performance of industries and service sector and policy reforms
Co2	To identify the causes and remedial measures for labour issues
Co3	To describe the components of international trade and analyse India's Balance of Payments
Co4	To explain the structure of Indian financial sector with special reference to role of RBI
Co5	To identify various components of revenue and expenditure in the Union budget

UNIT-I Industry and Service Sector

Industrial Development – trends and problems, review of industrial growth under planning; MSMEs – role, problems, and policy perspective to help MSMEs – Industrial policy 1991 and recent developments – Overview of Services Sector in India (12 hours)

UNIT-II Labour issues in India

Agricultural Labour – growth, features, problems and prominent issues – Industrial Labour Features, causes and magnitude of industrial disputes –social security measures – labour issues in unorganised sector – gender discrimination – gender wage gap (12 hours)

UNIT-III Foreign Trade

Importance of foreign trade for a developing economy-composition and direction of India's foreign trade- role of FDI-BOP crisis- India's trade policy. (12 hours)

UNIT-IV Financial sector in India

Financial sector reforms – organisation of India's money market –changing roles of RBI-development financial institutions –Indian capital market and SEBI -NBFI (12 hours)

UNIT-V Government Budget (Expenditure and Revenue)

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Trends in revenue and expenditure of central and state Governments-deficit finance in India-current year budget of government of India-Finance commission- role and functions, federal finance in India – Economic Survey of India (12 hours)

TEXT BOOK:

- P. K. Dhar (2018), Indian Economy – Its Growing Dimensions, Kalyani Publications 25th edition.

REFERENCE BOOKS

- Ahluwalia, I. J. and IMD Little (Eds.) (1998). India's Economic Reforms and Development, Oxford University Press, New Delhi.
- Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi.
- Byres, T.J. (Ed.) (1998), The Indian Economy: Major Debates Since Independence, Oxford University Press, New Delhi.
- KausikBasu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.
- Uma Kapila (Ed.) (2017-18) Indian Economy Since Independence , Academic Foundation, New Delhi, 28th Edition.
- Ashima Goyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press

WEB RESOURCES:

- <https://www.livemint.com/Sundayapp/GEfISNMjdRctaEbPAzxg9M/Indias-industrial-reforms-of-1991-The-inside-story.html>
- <https://prsindia.org/billtrack/overview-of-labour-law-reforms>
- <https://iclg.com/practice-areas/employment-and-labour-laws-and-regulations/india>
- http://mospi.nic.in/sites/default/files/Statistical_year_book_india_chapters/ch14.pdf
- https://www.un.org/esa/sustdev/publications/industrial_development/3_1.pdf
- https://www.tcd.ie/Economics/assets/pdf/SER/1999/Hambrock_Hauptman.pdf
- <https://www.dfat.gov.au/geo/india/ies/chapter-10.html>

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

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S.NO	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Group Assignment: Analyse the growth of industries in pre and post reform era	Analytical skills, Presentation skills	Competitive exam skills	
2	Introduction to Various Data Sources: Searching and filtering data	Research skills		
3	Panel discussion: Reviewing labour laws in India	Collaborative learning		
4	Hands on activity: India's foreign trade in comparison to other countries	Experiential learning		
5	Trend analysis of India's foreign trade		Competitive exam skills	
6	Group discussion: Role of financial institutions in economic development	Cooperative learning		Exposure to financial institutions and avenues for credit
7	MCQ quiz on RBI		Competitive exam skills	
8	Group activity on Budget 2021-2022	Presentation skill, Analytical skills		
9	MCQ quiz on Economic survey of India		Competitive exam skills	

COURSE OUTCOMES:

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On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Distinguish between different kinds of Industries and analyse their contribution to Economic growth	2	An
CO 2	Evaluate the various social security measures for labour	5	E
CO 3	Compare the composition and direction of Foreign trade in India and evaluate the Balance of Payments position	1, 2	An
CO 4	Analyse the structure of Financial system in India and the role of Central Bank	3	An
CO 5	Examine the nature and scope of Public Finance in India with special reference to Union Budget and Fiscal deficit	4, 5	An

***PSO – Programme Specific Outcome; Co – Course Objective; CO – Course Outcome; R-Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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B.A. ECONOMICS

ALLIED II QUANTITATIVE TECHNIQUES FOR ECONOMICS II

SUBJECT CODE: 20UECO305 & 20UECO305P	YEAR/SEMESTER: I/II	MAXIMUM MARKS :100	80 Theory
			20 Practical
COURSE TYPE: THEORY & PRACTICAL	CREDITS: 5	TOTAL TEACHING HOURS: 75	55 Theory
			20 Practical

GENERAL OBJECTIVE:

To provide an insight into the basic principles of mathematics, statistics, operation research and apply appropriate computational tools to frame national/global economic policies.

COURSE OBJECTIVES (Co):

CoNo.	COURSE OBJECTIVE
Co1	To identify the relationship between variables using correlation to describe how regression analysis is used to predict values.
Co2	To understand the fundamental concepts of probability, learn different methods of constructing index numbers.
Co3	To formulate and solve Linear programming problems using graphical method.
Co4	To find the initial basic solution of Transportation problem using Least cost method, North west corner rule, Vogel's approximation and obtain the optimal solution of assignment problem by Hungarian method.
Co5	To understand the basic rules of integration, apply it to compute consumer's and producer's surplus.

UNIT I

Correlation

Correlation- Introduction, Significance, Types of correlation, Karl Pearson's co-efficient of correlation and Rank correlation co-efficient.

Regression

Regression - Introduction, Uses of regression, Difference between correlation and regression, Regression equations (only ungrouped data). (10 hours)

UNIT II

Probability

Introduction, definitions, Addition and Multiplication Theorem, Simple Problems (Statement only for all the theorems).

Index Numbers

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B.A. ECONOMICS

Introduction, Uses of Index Numbers, **Methods of Constructing Index Numbers:**
Unweighted Index Numbers- Simple Aggregative Method, Weighted Index Numbers –
Laspeyre's, Paasche's, Bowley's and Fischer's Ideal Index numbers, Tests of Adequacy of
Index number Formulae – Time and Factor Reversal Tests, Cost of living index- Aggregate
Expenditure Method, Family Budget Method. (12 hours)

UNIT III

Linear Programming

Introduction to Operations Research, Meaning and Scope of OR, Models in OR, **Linear
Programming Problem- Formulation and Graphical method.**(9 hours)

UNIT IV

Transportation Model

Introduction, Mathematical Formulation, Methods for finding **Initial basic feasible
solution**– North West corner rule, Least cost method, Vogel's approximation method,
Assignment Problem

Introduction, Mathematical Formulation, **Hungarian Method** - Minimization Problem,
Unbalanced problem. (12 hours)

UNIT V

Integral Calculus (Only Algebraic Functions)

Introduction, Basic rules of integration, Standard results, Methods of Integration-
Substitution Method, Definite integrals - Definition and applications -Total cost function,
Marginal cost function, Total Revenue function, Average Revenue function, **Consumer's
surplus, Producer's surplus**, Simple Problems (no derivations). (12 hours)

Text Books

- S.P. Gupta (2016), Statistical Methods, Sultan Chand & Sons Publishers.
Unit I, Unit II
- Prof.V.Sundaresan, K.S.Ganapathy Subramanian and K.Ganesan (2000), Resource
Management Techniques, A.R.Publications, Chennai.
Unit III & Unit IV.
- B.C Mehta G.M.K Madnani (2018), Mathematics for Economists, Sultan Chand &
Sons Publishers.
**Unit V: Chapter 12-Sections 12.1-12.5. Chapter 13- Sections 13.1, 13.4,
13.9,13.10.**

E RESOURCES

Web links

- www.slideshare.net
- Wolfram MathWorld: The Web's Most Extensive Mathematics Resource
- <https://www.khanacademy.org/>

YouTube Video links

- <https://youtu.be/wRZwrcPnmc4>
- <https://www.youtube.com/watch?v=KT726O6gDZY>
- <https://www.youtube.com/watch?v=jdxLEyBXd2s&list=RDCMUCqedkv6AYxh3hk99EPtGlmQ&index=5>
- <https://www.youtube.com/watch?v=ItOuvM2KmD4>

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- <https://www.youtube.com/watch?v=rrfFTdO2Z7I>
- <https://www.youtube.com/watch?v=8mOgg8Y6wxI>

ACTIVITIES WITH DIRECT BEARING ON SKILL DEVELOPMENT

(These activities are only indicative, the Faculty member can innovate)

- **Case study Analysis:** Predict trends to adjust product and services or advertising & marketing campaigns, and then take the best approaches in business scenario using coefficient of correlation and regression analysis.
- **Worksheets:** Problems on construction of index numbers using Laspeyre's, Paasche's, Bowley's and Fischer's Ideal Index numbers.
- **Assignment on LPP:** Modeling real world application as LPP and apply appropriate techniques (Graphical) to find its optimal solution.
- **Class discussion** on application of transportation / assignment models for transporting goods/allocate resources in business scenario.
- **Drag- And-Drop (Ability to link and apply):** Recognizing the principles/techniques of integral calculus and apply it in obtaining solution of producer's & consumer's surplus in Economics.
- Students solve LPP(Graphical method,simplex method) by applying software tools.

**ALLIED II QUANTITATIVE TECHNIQUES FOR ECONOMICS II –
PRACTICAL**

- **CORRELATION**
Correlation co-efficient
Rank Correlation (without repeated ranks)
Regression co-efficient and Regression lines
- **LINEAR PROGRAMING PROBLEM**
Graphical Method
- **TRANSPORTATION PROBLEM**
Methods for finding Initial basic feasible solution:
North West corner rule
Least cost method
Vogel's approximation method
- **ASSIGNMENT PROBLEM**
Balanced, Unbalanced problems

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B.A. ECONOMICS

COURSE OUTCOMES:

On completion of the course the students will be able to

CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO1	Determine the correlation coefficient, line of regression and apply them in the field of econometrics.	1,3	E
CO2	Determine index numbers using different methods and apply the notion of probability to solve economic problems in global environment	1,2,4	E
CO3	Formulate practical situations into a linear programming model and compute the optimal solution using appropriate techniques.	1,2,4	C
CO4	Explain the procedure of solving transportation & assignment models and apply it in resource mobilization/job allocation in any organization to meet local needs.	1,2	E
CO5	Evaluate cost function, revenue function, consumer's and producer's surplus using methods of integration.	1,2,4	E

***PSO – Programme Specific Outcome; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create.**

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**Choice Based Credit System
Course of Study for the batch of
Candidates admitted in 2020 – 2021**

B.A. ECONOMICS

CORE V: INTRODUCTORY MACROECONOMICS

COURSE CODE: 19UECO304	YEAR/SEM: II/III	MAX. MARKS: 100
COURSE TYPE:THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To develop foundation for basic tools and ideas necessary to understand the aggregate economy and to make informed opinions about different economic policies

COURSE OBJECTIVES (Co):

Co No.	COURSE OBJECTIVE
Co 1	To introduce the basic “building block” concepts of macroeconomics
Co 2	To analyse the classical theory of income and employment
Co 3	To study consumption and its role in the economy
Co 4	To explore investment and multiplier concepts
Co 5	To evaluate the Classical and Keynesian approaches

COURSE CONTENT

Unit I – Introduction to Macroeconomics and National Income

Nature and scope of Macroeconomics – origin and growth of Macroeconomics, difference between micro and macro, need to study macroeconomics, limitations of macroeconomics – Circular flow of Income and Expenditure in various sectors.

National income - Definitions and Concepts of National Income –Real and Nominal concepts of National Income - Methods of Measurement of National Income – income method, product method, expenditure method– difficulties in the measurement of National Income - Importance of measurement of National Income – concept of green GDP
(12 hours)

Unit II – Classical Theory of Output and Employment

The Classical theory of income and employment – Say’s Law of Markets- implications, Criticism of the Law of Markets -wage-price flexibility and full employment – Full employment classical model - neutrality of money and classical dichotomy – Keynes criticism of classical theory – Principles of effective demand - aggregate demand and aggregate supply
(12 hours)

Unit III – Consumption Function

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Consumption function – introduction, meaning, properties, Keynes - Psychological law of consumption, determinants of consumption function, propensity to consume and propensity to save – Theories of consumption functions – absolute income hypothesis, relative income hypothesis, permanent income hypothesis, life cycle hypothesis. (12 hours)

Unit IV – Investment Function

Investment – meaning, types, **marginal efficiency of capital**, marginal efficiency of investment, concept of multiplier – investment multiplier, dynamic multiplier– principle of acceleration and super multiplier. (12 hours)

Unit V – Saving Function and Classical Vs. Keynes Model

Saving function – meaning, determinants, paradox of thrift – saving and investment equality -

Classical vs Keynes models of income and employment – summary and comparisons(12 hours)

Text Book:

- H.L.Ahuja (2018), Macro Economic – Theory and Policy, S. Chand Publication, 20th edition
- M. L. Jhingan (2018), Macro Economic Theory, Vrinda Publications (P) Ltd. 13th edition

Reference Books:

- Dornbusch, Fischer and Startz, (2010) Macroeconomics, McGraw Hill, 11th edition.
- Dwivedi D. N (2011), Macroeconomics: Theory and Policy, 2nd edition, Tata McGraw-Hill Education.
- Gregory Mankiw. (2010). Macroeconomics, Worth Publishers, 7th edition.
- Shapiro .E(1982) Macro Economic Analysis, Thomson Learning; 5th Revised edition

WEB RESOURCES

- <https://www.toppr.com/guides/fundamentals-of-economics-and-management/national-income/concept-of-national-income/>
- <http://www.economicdiscussion.net/theory-of-income/classical-theory-of-income-and-employment-economics/259>
- <http://www.economicdiscussion.net/consumption-function/consumption-function-concept-characteristics-and-possibility/20695>
- <http://www.economicdiscussion.net/consumption-function/top-4-types-of-hypothesis-in-consumption-with-diagram/16024>
- <http://www.yourarticlelibrary.com/economics/the-investment-function-meaning-types-determinants-and-distinction/29174>
- <http://www.economicdiscussion.net/multiplier-extensions/top-3-types-of-multiplier-in-economics/7817>
- <http://www.economicdiscussion.net/theory-of-income/keynes-saving-function-characteristics-and-equations/6219>

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ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

S.NO	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Class discussion – “Why study macroeconomics?”	Participatory learning		
2	MCQ – Knowledge Check	Time Management , Critical Thinking	Competitive exam skills	
3	Group Presentations: Consumption function	Collaborative learning, Presentation skills		
4	Problems on Marginal Efficiency of Capital (MEC) and simple investment multiplier	Computational skills		
5	Class discussion – Differences between classical and Keynesian thought.	Critical thinking		

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COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Explain and examine the basic concepts of Macroeconomics and National Income	1	An
CO 2	Differentiate the classical and Keynesian approaches to income, output and employment	1, 3	An
CO 3	Critically analyse the different theories on consumption	1	E
CO 4	Evaluate the various theoretical approaches to investment	1	E
CO 5	Compare and contrast between classical and Keynesian models of economic equilibrium	3	An

***PSO – Programme Specific Outcome; Co – COURSE OBJECTIVES; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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B.A. ECONOMICS

ALLIED – III: PRINCIPLES OF FINANCE

COURSE CODE: 19UECO305	YEAR/SEM: II/III	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 5	TOTAL TEACHING HOURS:75

GENERAL OBJECTIVE:

To create an understanding on the financial environment of business along with developing analytical skills by associating the tools and techniques to analyze with various concepts and to have an in-depth knowledge about security and portfolio management which acquaints the students with capital market trends.

Co.No	COURSE OBJECTIVES
Co1	To enable the students to gain an understanding of basic functions of finance, its objectives, its interface with other functional areas and various sources of finance.
Co2	To enable the students to understand the concept of time value of money and analyse the ways of raising capital in different circumstances.
Co3	To enable the students to understand the concept of dividend, its Policy, types & theories and assess the value of financial products such as bonds & shares
Co4	To enable the students to apply several capital budgeting techniques and gain an understanding of ways to incorporate risk and uncertainty into capital budgeting decisions
Co5	To enable the students build a diversified portfolio and assess portfolio performance and acquaint them with capital market trends

UNIT I - Functions of Finance and Sources of Finance

Financial Management: Meaning, Definition, Scope, Nature and Objectives- Profit Maximization – Wealth Maximization – Financial Management Functions.

Composition and Sources of Long Term Finance and Short Term Finance - Difference between Short and Long Term Finance

UNIT II – Cost of Capital & Capital Structure

Time Value of Money- Meaning, Methods of Analysis, Compounding Technique, Discounting or Present value Techniques

Cost of Capital- Basic concepts, Cost of equity, Cost of Debt, Cost of Preference capital, Cost of Retained Earnings, Weighted Average Cost of capital. (Problem based)

Capital structure

Capital structure planning (basic aspects) - Determining Debt and Equity proportion-Theories of capital structure

UNIT III - Dividend Theories and Valuation

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Dividend - Introduction, Meaning, Types of Dividend, Nature of Dividend Policy, Objectives of Dividend Policy, Factors Determining Dividend Policy. Dividend Theories- Walter & Gordon, MM theory.

Valuation of Bonds and shares

Bond Valuation, Return on Bonds, YTM, Duration concepts, Pricing, simple problems on bond valuation. - Equity share valuation, Yield basis earnings approach, Valuation based on accounting information, valuation based on dividends, MM hypothesis, Gordon's model, Walter's model, P/E ratio, Explicit resale price method - simple problems

UNIT IV – Capital Budgeting

Meaning, Definition, Need and Significance of Capital Budgeting, Factors Influencing Capital Budgeting Decisions- Capital Budgeting Process-Evaluation of Capital Budgeting Proposals- Payback, Discounted Cash flow, NPV, ARR, IRR and Profitability Index. (Problem based).23

Risk Analysis in Capital Budgeting: Incorporation of Risk Factor in Capital Budgeting-General Techniques- Risk Adjusted Discount Rate Method, Certainty Equivalent Method, Sensitivity Analysis, Probability Assignment, Standard Deviation & Coefficient of Variation, Decision Tree Analysis(Theory based).

UNIT V – Principles of Portfolio

Security risk - Systematic and unsystematic risk-Portfolio return risk and trade off- Basic principles of portfolio construction, **Portfolio Construction**, simple computation problems – CAPM Model

PROBLEMS CAN BE ASKED FROM UNIT II, III, IV AND V. PROBLEM: THEORY RATIO= 60:40

TEXT BOOKS

- A.Murthy, Financial Management, Second Edition Reprint 2018, Margham Publications
- Dr.S.N.Maheshwari, Elements of Financial Management, Edition 2010,Sultan Chand & Sons, New Delhi
- Dr. Kulkarni and Dr. Sathya Prasad, Financial Management, 13th Revised Edition 2011
- Natarajan (2013), Investment Management, Margham Publishers

REFERENCES BOOKS

- PrasanaChandra,Financial Management, 2008 Tata Mc.GrawHill, New Delhi
- I.M.Pandey, Financial Management, 2009 Vikas Publishing
- Khan &Jain ,Financial Management, Edition 2009, Sultan Chand & Sons
- Natarajan, K,Gordon., (2016) -Financial Markets and Financial Services-Himalaya Publishing Company
- Pandian,P., (2016).Security Analysis and Portfolio Management Vikas Publisher, 2nd Edition Reprint

ACTIVITY PLANNER:

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

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(These activities are only indicative. Subject faculty can innovate)

● **Group Presentation on various sources of Finance**

- **Quiz** on Various sources of Finance
- **Crossword** on Various sources of Finance
- **Problem Solving:**

1) Time Value of Money

2) **Cost of Capital**

3) Capital Structure

● **Problem Solving:**

1) Dividends

2) Bonds

3) Equity Valuation

- **Kahoot Quiz** on Bonds

- **Problem Solving:** Capital Budgeting

● **Quiz: Types of Risk & Portfolio Construction**

- **Assignment** on various types of Risk

COURSE OUTCOMES:

On completion of the course the student will be able to

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CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO1	Illustrate the scope, goals and the objectives of Financial Management including the role of finance managers and distinguish between the characteristics and sources of short term and long-term finance	1	Ap
CO 2	Choose the right capital mix at the optimal cost for a company and compute the cost of capital that impacts the capital investments decisions for a business	1,4	E
CO3	Estimate the value of equity and debt instruments using various methods and determine the value of dividend in case of a firm	1	C
CO 4	Adapt various capital budgeting proposals for effective decision-making and analyse the risk involved in capital budgeting decisions.	1,4	C
CO5	Analyse risk along with return & the association that exists between risk & return. Demonstrate the ways of managing Risk & Return in case of a Portfolio from the perspective of a Portfolio manager.	1, 4	An

***PSO – Programme Specific Outcome; Co – COURSE OBJECTIVE; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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ELECTIVE I SOCIO-ECONOMIC POLICY

COURSE CODE: 19UECO306	YEAR/SEM: II/III	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 5	TOTAL TEACHING HOURS:75

GENERAL OBJECTIVE:

To orient the students on theoretical premises and empirical approaches to the various domains in the socio-economic policy making and to examine sector-specific policies with special emphasis on health, education, financial inclusion, rural urban divide and migration

COURSE OBJECTIVES (Co):

Co No.	COURSE OBJECTIVE
Co1	To introduce a framework for understanding the socio-economic dimension of policy making in health and highlight a few determinants that need immediate policy attention from a socio-economic perspective
Co2	To illustrate theoretical framework on thoughts of education and build arguments on education as an important pillar of development
Co3	To evaluate media as the 4th pillar of democracy and its role in policy implementations
Co4	To describe framework for microfinance and financial inclusion and their role in inclusive development
Co5	To identify the gaps in socio-economic development of rural and urban population and highlight the causes of rural urban divide and measures taken to bridge the divide

COURSE CONTENT:

Unit I – Health Policy Paradigms

Theoretical Understanding – Definition Of Health, Socio-Economic Determinants Of Health - Health As A Merit Good – Market Failures In Provisioning Of Health Services - **Health Policy In India** – Urban Vs. Rural Health Policies; Occupational Health – Needs, Examples Of Existing Policies - Private Sector In Healthcare – Regulations, Criticisms (15 hours)

Unit II – Education Policy

Theoretical Understanding – Definitions of Education, Ambedkar, Gandhian And Marx’s Perspectives, Types Of Education Systems; Should Education Be A Public Good? - Role Of Education In An Economy – Schultz’s Theory; Relationship Between Literacy Levels And Wages - Existing Policies – Analysis And Criticisms; Concerns With Quality Of Education – Possible Incentives: National Policy Of Education (1986) & Amendment (1992), SarvaSiksha Abhiyan, Right To Education, TVET, **New Education Policy** (15 hours)

Unit III – Media Policy

Theoretical Understanding – Definitions of Media; Historical Perspective On The Rights Of The Media; Media As Fourth Pillar Of Democracy - **Role Of Media** In Reducing

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Information Asymmetry; Impact On Consumer Preferences. - Regulation Of Media – Existing Regulatory Framework and Criticisms - Media Globalization (15 hours)

Unit IV – Micro-Finance Policy

Background And Features of Microfinance – Definitions, Need, And Scope - **Microfinance Models and Schemes**/Guidelines In India – Analysis And Criticisms - Microfinance And Financial Inclusion. (15 hours)

Unit V – Urban and Rural Policy Paradigms

Urban Vs. Rural Policies – Overview of Differences and Similarities - **Debate – Are the Differences Necessary?** - Development Of Rural Economies - Migration and Overcrowding – Associated Problems, Possible Solutions. (15 hours)

Reference Books and e-materials:

- Todoaro Michael and C Smith Stephen (2017)Economic Development , Pearson Education
- Saumitra Mohan, Indian Policy and Development (2018), McGraw Hill Education, 2nd edition
- Block 6 - Institution and Policies– MEC 108 Economics of Social Sector and Environment, IGNOU Study Material
- Rangarajan (Chairman) committee “Report of the Committee on Financial inclusion 2008
- https://unevoc.unesco.org/up/India_Country_Paper.pdf
- <https://www.diplomatie.gouv.fr/IMG/pdf/KevalKumar.pdf>
- <https://www.prsindia.org/theprsblog/regulation-media-india-brief-overview>
- <https://home.kpmg/in/en/home/insights/2019/12/mfi-microfinance-contributions-to-financial-inclusion.html#:~:text=The%20role%20of%20Microfinance%20has,a%20branch%20C%20business%20correspondent%20model.>
- https://m.rbi.org.in/Scripts/BS_SpeechesView.aspx?Id=1088
- http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/S000033SO/P000300/M013097/ET/145258955205ET.pdf
- https://shodhganga.inflibnet.ac.in/bitstream/10603/1918/8/08_chapter3.pdf
- https://www.researchgate.net/publication/265190427_Evolution_of_Health_Policy_in_India
- https://shodhganga.inflibnet.ac.in/bitstream/10603/145095/15/15_chapter%205.pdf
- https://unevoc.unesco.org/up/India_Country_Paper.Pdf
- <https://www.diplomatie.gouv.fr/IMG/pdf/Kevalkumar.Pdf>
- <https://www.prsindia.org/theprsblog/regulation-media-india-brief-overview>
- <https://home.kpmg/in/en/home/insights/2019/12/mfi-microfinance-contributions-to-financial-inclusion.html#:~:Text=The%20role%20of%20Microfinance%20has,A%20branch%20C%20business%20correspondent%20model.>

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(These activities are only indicative. Subject faculty can innovate)

S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Class Discussion: India's health policy- Need for modification to tackle pandemics like SARS-COVID 19	Analytical Skills	Exposure to nature and status of policies governing health care sector in India	
2	Student Panel Discussion: New Education Policy	Communication skills	Exposure to nature status of policies governing education sector in India	
3	Article review: Does education at all levels cause growth? India- A case study	Critical thinking skills		
4	Class seminar: Role of Media in implementing various socio-economic campaigns.	Presentation skills Analytical skills		
5	Student seminar: Analysis of Microfinance models in a country of their choice	Research skills Presentation skills Communication skills,		
6	Group presentations: Urban-Rural divide	Critical thinking skills, Presentation skills		

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COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Describe the concept of health, identify the issues pertaining to health in India, analyse the health policy and recommend measures to make it more effective	1, 2, 5	C
CO 2	Explain various thoughts on education, identify the gaps in policies and suggest solutions to address the gaps in the field of education.	2, 3, 5	C
CO 3	Examine the role of media in creating awareness and reducing information asymmetry	4	An
CO 4	Evaluate the impact of microfinance in financial inclusion	2	E
CO 5	Formulate and defend policy recommendations that help in reducing rural-urban divide	2, 5	C

***PSO – Programme Specific Outcome; Co – COURSE OBJECTIVE; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

CORE VI INTERMEDIATE MACROECONOMICS

COURSE CODE: 19UECO308	YEAR/SEM: II/IV	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To develop fundamentals for tools and ideas necessary to understand the aggregate economy and to make informed opinions about different economic policies

COURSE OBJECTIVES (Co):

Co No.	COURSE OBJECTIVE
Co1	To illustrate the interplay between the goods market, money market and external sector and their impact on income and output
Co2	To compare and contrast classical and modern thought on macroeconomics
Co3	To analyse the theoretical framework on inflation and unemployment
Co4	To explain the concept of fluctuations in economic activity and its impact on macroeconomic variables
Co5	To evaluate the various tools of macroeconomic policy and their role in economic stabilisation

Unit – I: IS-LM Model

Goods and money market – derivation of IS curve – shifts in IS curve – derivation of LM curve – shifts in LM curve – IS-LM equilibrium – derivation of aggregate demand curve – linkages between IS-LM and monetary and fiscal policies (12 hours)

Unit – II: Modern Macroeconomics

Modern macroeconomics - Introduction – adaptive and rational expectation hypothesis- supply side economics – new Keynesian economics – features – Mankiw’s sticky prices model – implications of new Keynesian economics (12 hours)

Unit – III: Inflation

Inflation – meaning, types – demand pull and cost push, effects of inflation – inflation and unemployment trade-off – Philip curve – short run and long run – sacrifice ratio – deflation - stagflation – meaning, causes, stag inflation in India (12 hours)

Unit – IV: Business Cycles

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Business cycles – meaning, **phases**, features – theories of business cycle- Sun-Spot theory, Hawtrey's theory, Under – consumption theory, Over-investment theory, Keynes' theory, Hick's theory, real business theory (12 hours)

Unit – V: Macroeconomic Policy and Economic Stabilisation

Macroeconomic Policy – meaning, objectives, **trade-off in policy objectives**, lags in effects of economic policy

Economic stabilisation and macroeconomic policy – an overview (12 hours)

Text Book:

- H.L.Ahuja (2018), Macro Economic – Theory and Policy, S. Chand Publication, 20th edition
- M. L. Jhingan (2018), Macro Economic Theory, Vrinda Publications (P) Ltd. 13th edition

Reference Books:

- Richard T Froyen (2013) Macroeconomics: Theories and Policies, Pearson Education India; 10 edition
- Dornbusch, Fischer and Startz, (2010) Macroeconomics, McGraw Hill, 11th edition.
- Dwivedi D. N (2011), Macroeconomics: Theory and Policy, 2nd edition, Tata McGraw-Hill Education.
- Gregory Mankiw. (2010). Macroeconomics, Worth Publishers, 7th edition.
- Shapiro E (1982) Macro Economic Analysis, Thomson Learning; 5th Revised edition

WEB RESOURCES:

- <https://www.yourarticlelibrary.com/notes/macroeconomics/the-supply-side-economics-features-and-policy-prescription/31217>
- <https://www.econlib.org/library/Enc/RationalExpectations.html>
- <https://openstax.org/details/books/principles-economics-2e>
- <https://www.researchgate.net/publication/24114971>
- [https://www.researchgate.net/publication/303458400 Revisiting of Philips Curve a Case Study from Pakistan](https://www.researchgate.net/publication/303458400_Revisiting_of_Philips_Curve_a_Case_Study_from_Pakistan)
- <https://www.youtube.com/watch?v=78-BIZXm7wA>
- <https://www.youtube.com/watch?v=nE8Bw7Se1NU&t=25s>
- <https://rbidocs.rbi.org.in/rdocs/Speeches/PDFs/DGVVAS34AEAD82174B44EA854710B1103E0988.PDF>
- <https://ncert.nic.in/ncerts/l/leec106.pdf>

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

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S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Exploration of Macroeconomic data	Research Skills		Analysis of macroeconomic variables
2	IS and LM curves derivation	Illustration skills		
3	Think-Pair-Share: Comparison of Keynesian and Post-Keynesian schools	Participatory learning		
4	Capstone Project: Real vs Nominal Interest rates	Computational Skills	Investment planning	
5	Assignment: Data Visualization and interpretation on business cycles	Experiential learning		Exposure to fluctuations in business activity
6	Class discussion: Macroeconomic policies in covid era	Critical Thinking		

COURSE OUTCOMES:

On completion of the course the student will be able to

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B.A. ECONOMICS

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Examine macroeconomic models by describing relationships among macroeconomic variables	1	An
CO 2	Outline the shift in macroeconomic modelling	2	An
CO 3	Differentiate the types, analyse the causes of inflation and establish the relationship between inflation and unemployment	1,4	An
CO 4	Critically evaluate the causes of fluctuation in economic activity.	2	E
CO 5	Evaluate the various tools of macroeconomic policy	5	E

*PSO – Programme Specific Outcome; Co – COURSE OBJECTIVE; CO – Course Outcome;
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B.A. ECONOMICS

ALLIED IV: DEMOGRAPHY

COURSE CODE: 19UECO307	YEAR/SEM: II/IV	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 5	TOTAL TEACHING HOURS:75

GENERAL OBJECTIVE:

To acquaint students with basic concepts of demographic measurements like mortality, fertility, migration, population projections and age patterns that influence changes in population size and composition

COURSE OBJECTIVES (Co):

Co No.	COURSE OBJECTIVE
Co1	To introduce the meaning and scope of demography and the significant theories related to population
Co2	To classify and differentiate the measures of birth and death rate and the uses of the life table
Co3	To identify the causes and consequences of migration and trace recent trends in migration
Co4	To compare and contrast demographic trends in developing and developed countries
Co5	To critically examine recent developments in population policies in India

COURSE CONTENT

Unit I Introduction

Meaning scope of Demography – Components of Population Growth – Theories of Population growth – Malthusian Theory – Optimum theory and Theory of Demographic transition.(15 hours)

Unit II Birth Rate, Death Rate and Fertility

Life Table: Meaning of its columns and its uses – Reproductive and Child health in India – Temporal and Spatial Variation in Sex Ratios – Crude birth and death rate, Age Specific birth and death rates – Standardized birth and death rates – Study of fertility – Total fertility Rate – Gross Reproductive Rate – Net Reproductive Rate. (15 hours)

Unit III Migration and Urbanisation

Migration and Urbanisation – Concept and types – Temporary, internal and International effects on population growth and pattern – Factors affecting Migration and its impact on the distribution of rural-urban population – recent trends in migration. (15 hours)

Unit IV Population trends

Population trends in the 20th Century – International aspects of population growth and distribution – Population and environment pattern of age and sex structure in developed and developing countries – Age pyramids and projections – sources of census data (15 hours)

Unit V Population policy in India

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Evolution of population policy in India – Population and strategies for human development of different social groups – Evaluation of population policy in India – Task before the National Population Commission – **The recent population policies.** (15 hours)

TEXTBOOKS:

- V.C. Sinha and Easo Zacharia (1996) - Elements of Demography, Allied Publishers Pvt. Ltd, 2nd Edition
- Rajendra K. Sharma (2007) - Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd.

REFERENCE BOOKS:

- Agarwala S.N. (1985), India's Population Problem, Tata McGraw-Hill, Bombay.
- Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.
- Bogue, D.J. (1969), Principles of Demography, John Wiley, New York
- Bose A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi
- Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi
- Mishra S. (2000), Voluntary Action in Health and Population, Sage, New Delhi
- Simon, J. L. (1988), Population & Development in poor countries, Princeton University Press
- Novell, C. Methods and Models in Demography, Bellhaven Press, London
- Srinivasan, K., (1997), Basic Demographic Techniques and Application, Sage, New Delhi.

WEB RESOURCES:

- <https://www.economicdiscussion.net/theory-of-population/top-3-theories-of-population-with-diagram/18461>
- <https://data.worldbank.org/indicator/SP.DYN.TFRT.IN>
- https://mpra.ub.uni-muenchen.de/76484/1/MPRA_paper_76484.pdf

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS), CHENNAI-34
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B.A. ECONOMICS

S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Presentations: Theories of Population growth	Critical thinking skills	Ability to use multi-media/medium	
2	Assignment: Construction of Life tables		Computational Skills	
3	Group activity: Computing mortality and natality rates		Computational Skills	
4	Concept Mapping: Factors affecting migration	Critical thinking skills		
5	Assignment: Interpreting Age pyramids		Computational Skills	
6	Analysing Census data	Analytical Skills		
7	Critical Analysis: Population policies in India	Analytical Skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

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CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Compare and contrast the various theories of demography such as Malthus, Optimum and Demographic Transition	1	An
CO 2	Examine the demographic terms such as birth rate, death rate, sex ratio, fertility ratio	1	An
CO 3	Evaluate the causes and impact of migration on rural-urban population distribution	2	E
CO 4	Analyze the major demographic trends and their determinants	3	An
CO 5	Evaluate population policy of India	5	E

***PSO – Programme Specific Outcome; Co – COURSE OBJECTIVE; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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B.A. ECONOMICS

**Choice Based Credit System Course
of Study for the batch of Candidates
admitted in 2019 – 2020**

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B.A. ECONOMICS

CORE VII-FISCAL ECONOMICS I

COURSE CODE: 19UECO309	YEAR/SEM: III/V	MAX. MARKS: 100
COURSE TYPE:THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVES:

To introduce and evaluate the fundamentals of public expenditure and public revenue

COURSE OBJECTIVES:

Co No.	COURSE OBJECTIVE
Co1	To outline the importance of the study of public finance
Co2	To appraise the theories of public expenditure
Co3	To explain and analyse the principles of taxation
Co4	To illustrate the theories related to shifting and incidence of taxation
Co5	To examine the factors determining taxable capacity

COURSE CONTENT

Unit I – Introduction to Public Finance

Public Finance – meaning, scope, **difference between private and public finance**, importance of public finance – role and need for public sector - fiscal functions of public sector – Principle of maximum social advantage – introduction, necessary conditions, limitations, Musgrave’s views on maximum social advantage. (12 hours)

Unit II –Public Expenditure

Public Expenditure – meaning, aims, theories of public expenditure – Pigou’s theory, Benefit Analysis, Samuelson’s theory, Johansen’s theory, Wagner’s hypothesis, Peacock-Wiseman’s hypotheses, Colin Clark hypothesis – canons of public expenditure – classification of public expenditure – **effects of public expenditure** (12 hours)

Unit III – Taxation - I

Public Revenue – meaning, **sources of public revenue**, principles of public revenue

Taxation – meaning, objectives, canons of taxation, requisites of an ideal tax systems Theories of taxation – Physiocratic theory, financial theory, socio political theory, modern principles of taxation (12 hours)

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Unit IV – Taxation II

Classification of taxation – effects of taxation on production, distribution and others – **incidence and shifting of taxation** – meaning, difference between impact and incidence – process of tax shifting – theories of tax shifting – concentration theory, diffusion theory, modern theory – factors determining the nature of tax shifting and incidence.

(12 hours)

Unit V – Taxable Capacity

Taxable capacity – meaning, absolute and relative taxable capacity, importance, factors determining taxable capacity, taxable capacity in India

(12 hours)

Text Book:

- R. K. Lekhi & Joginder Singh (2017), Public Finance, Kalyani Publication, 11th edition.

Reference Books

- Musgrave R. A & Musgrave P. B. (2004), Public Finance in Theory and Practice, McGraw Hill Publishing Company Ltd.
- Tyagi B. P. (2005). Brehm Prakash, Public Finance, Jai Prakash Nath and Co., Meerut
- Bhatia, H.L. (2004). Public Finance, Vikas Publications, New Delhi.

WEB RESOURCES:

- <https://www.youtube.com/watch?v=bWRO-M47eCY>
- <https://mgkvp.ac.in/Uploads/Lectures/28/3482.pdf>
- <https://egyankosh.ac.in/bitstream/123456789/59906/3/Unit-13.pdf>
- <https://www.economicdiscussion.net/taxes/canons-of-taxation-enunciated-by-adam-smith-discussed/1948>
- <https://www.economicdiscussion.net/government/taxable-capacity-with-diagram/20936>
- <https://www.yourarticlelibrary.com/economics/taxation/incidence-of-taxation-meaning-shifting-the-burden-of-a-tax-and-other-details/38154>

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS), CHENNAI-34*(Effective for the batch of candidates admitted in 2019-2020)***B.A. ECONOMICS**

S.NO	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Group discussion: Public and Private finance	Collaborative learning		
2	Think-Pair-Share: Reasons for growth of public expenditure	Cooperative learning, Analytical skills		
3	Debate: Effects of Public Expenditure	Critical thinking, Participatory learning		Exposure to Economic environment
4	MCQ quiz: Types of Taxes	Time management skills	Competitive exam skills	
5	Criticise and converse: Theories on incidence of taxation	Critical thinking, Research skills		
6	Mind-Mapping: Taxable capacity	Summarization skills, Presentation skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Explain and outline theoretical concepts of fiscal economics including graphical representation of these concepts	1	E, U
CO 2	Evaluate the theories of public expenditure	1,3	E
CO 3	Examine the canons of taxation	1	An, E
CO 4	Analyse the effects of taxation on production and distribution	4	An
CO 5	Discuss taxable capacity and critically explain factors determining taxable capacity.	4, 5	An, E

*PSO – Programme Specific Outcome; Co – COURSE OBJECTIVES; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

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B.A. ECONOMICS

CORE VIII INTERNATIONAL ECONOMICS

COURSE CODE: 19UECO310	YEAR/SEM:III/V	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To provide an analysis of the economic relationships between countries and introduce the fundamentals of international economics in an era of global interdependence

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To distinguish between international economics and international trade and track the evolution of world trade
Co2	To compare alternative theories of international trade
Co3	To explain the payment mechanism in international trade and determination of rate of exchange
Co4	To describe the essential objectives and types of trade policies
Co5	To elucidate the role of international organizations in facilitating world trade

COURSE CONTENTS

Unit I – Introduction

Meaning, nature, features and importance of international trade, domestic vs. international trade, An overview of **world trade patterns**. (12 hours)

Unit II – Theories of International Trade

Ricardian theory of comparative cost- **Heckscher Ohlin** models – factor equalisation model, new trade theories – **Krugman** model; firm heterogeneity; international movement of factors; introduction to the theory of multinational firms (12 hours)

Unit III – International Payments

Rate of exchange – meaning- determination – fixed vs. flexible rate of exchange, **Balance of Payments** – structure- BOT vs. BOP- equilibrium – disequilibrium- causes -corrective measures. (12 hours)

Unit IV –Trade Policy

Free trade vs protection – advantages – disadvantages – importance, tariffs and quotas – effects – types of quotas – effects of quotas, exchange control – meaning – objectives – techniques – methods – merits and demerits (12 hours)

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B.A. ECONOMICS

Unit V – International Institutions and International Liquidity

IMF, IMF and international liquidity, The World Bank, International Financial Corporation (IFC), International Development Association (IDA), Euro – Dollar Market, UNCTAD, GATT, WTO (12 hours)

Text Book:

- D.M. Mithani (2019), International Economics, Himalaya Publishing House, Mumbai, 9th edition
- Dominick Salvatore, International Economics, John Wiley & Sons Ltd. 12th edition

Reference Books:

- Krugman, P., Obstfeld, M., Melitz, M. (2018). International Economics - Theory and Policy, 11th ed. Pearson Education
- Pugel, T. (2015). International economics, 16th ed. McGraw-Hill.
- Feenstra, R., Taylor, A. (2014). International economics, 3rd ed. Worth Publishers.
- Francis Cherunilam, International Economics, McGraw Hill Publication.
- H L Bhatia, International Economics, Vikas Publishing

Web Resources:

- https://www.wto.org/english/res_e/statis_e/trade_evolution_e/evolution_trade_wto_e.htm
- <https://ourworldindata.org/trade-and-globalization>
- <https://wits.worldbank.org/CountryProfile/en/WLD>
- https://www.wto.org/english/thewto_e/whatis_e/tif_e/fact2_e.htm
- <https://www.youtube.com/watch?v=RJ2FIktp4Y8>
- <https://www.youtube.com/watch?v=llg2n0-UP7I>
- <https://www.youtube.com/watch?v=avf0o-PzQEA&t=137s>
- <https://www.economicdiscussion.net/foreign-exchange/theories-foreign-exchange/theories-of-exchange-rate-determination-international-economics/30637>
- <https://www.nber.org/system/files/chapters/c6829/c6829.pdf>

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative, the Faculty member can innovate)

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S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Article Readings and presentations	Critical thinking skills Presentation skills		
2	Data collection		Research skills	
3	Article review	Research Skills		
4	Class seminars	Presentation Skills		
5	Think-Pair-Share: Trends in Rate of exchanges in India		Strategic thinking and research skills	
6	Group Discussion	Critical thinking skills		
7	Concept Mapping: international liquidity	Critical thinking skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Differentiate between internal and international trade and track the growth of world trade	1, 3	An
CO 2	Define, explain alternative theories of international trade and draw comparisons between them	1, 2	E
CO 3	Evaluate fixed and flexible exchange rates and analyse causes and corrective measures for disequilibrium in the balance of payments.	3, 5	E
CO 4	Defend different trade policies in relation to economic environment of a country.	4, 5	E
CO 5	Examine the role of international organizations in the global economy and their impact on local economies.	2	E

*PSO – Programme Specific Outcome; Co – COURSE OBJECTIVES; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

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B.A. ECONOMICS

CORE IX- MONETARY ECONOMICS

COURSE CODE: 19UECO311	YEAR/SEM: III/V	MAX. MARKS: 100
COURSE TYPE:THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To provide a detailed analysis of monetary economics theory and working of monetary policy in an economy

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To introduce the concept of money in economics
Co2	To elucidate the various schools of thought associated with the concept of money in Economics
Co3	To explain the concept of interest and its influence on money supply of an economy
Co4	To outline the constituents of money supply and the Indian money market
Co5	To describe the functions of banking and the working of monetary policy

COURSE CONTENT

UNIT I – INTRODUCTION TO MONEY

Barter and evolution of money – barter system, **evolution of money**, , money and near money Functions and significance of money – meaning, definition, functions Monetary standards – monetary standard, metallic standard, paper standard – Value of money – concept, measurement of value, difficulties in measuring value of money, importance of index numbers and types of index numbers (12 hours)

UNIT II – THEORIES OF MONEY-I

Quantity theory of money – Fisher’s Transaction Approach, Cambridge Cash Balance Approach, Keynes’ theory of money and prices, **Friedman’s Restatement Quantity Theory** – Demand for money – Income Theory of Money – saving-investment approach (12 hours)

UNIT III – THEORIES OF MONEY-II

Neo-classical theory of money –real-balance effect - Rate of Interest- concept, classical theory, **loanable funds theory, liquidity preference theory**, modern theory of interest (12 hours)

B.A. ECONOMICS

UNIT IV –MONEY SUPPLY AND MONEY MARKETS

Supply of money – constituents of money supply, velocity of money, theory of money supply, money supply in India – Money market –constituents of money market.

Indian Money Market - Characteristics of Indian money market, defects and suggestions for remedial measures. (12 hours)

UNIT V – BANKING AND MONETARY POLICY

Commercial banking – functions of banks, types of banks, new trends in commercial banking, credit creation – **Central banking** –functions of central banking, credit control

Monetary Policy- Objectives, Limitations, Role of monetary policy in a developing economy – Reserve Bank of India – organisation, functions, **monetary policy of RBI**

(12 hours)

Text Book:

- M L Seth (2012), Monetary Economics, Lakshmi Narain Agarwal Educational Printers, 20th Revised Edition

Reference Books:

- R.R. Paul (2013), Monetary Economics, Kalyani Publishers, 10th revised edition
- Jhingan M L (2012) Monetary Economics , Himalaya publication 7/e
- Jagdish Handa(2014), Monetary Economics, Routledge (Taylor and Francis Group)
- M.C. Vaish (2005), Monetary Theory, New Age International (P) Ltd. 16th edition.
- Suraj B. Gupta(1985) Monetary Economics (Institutions, Theory And Policy), S. Chand & Co.

WEB RESOURCES

- <https://mint.intuit.com/blog/personal-finance/guide-to-the-barter-economy-the-barter-system-history/>
- <https://www.microeconomicsnotes.com/money/patinkins-analysis-of-the-real-balance-effect-with-criticisms/1466>
- https://saylordotorg.github.io/text_money-and-banking-v2.0/s23-02-friedman-s-modern-quantity-the.html
- <http://www.igntu.ac.in/eContent/IGNTU-eContent-451995072300-B.Com-6-Prof.ShailendraSinghBhadouriaDean&-FINANCIALSERVICES-All.pdf>
- <https://www.economicdiscussion.net/banks/central-bank-and-its-functions/4165>
- <https://www.rbi.org.in/>

M.O.P. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS), CHENNAI-34*(Effective for the batch of candidates admitted in 2019-2020)***B.A. ECONOMICS****ACTIVITY PLANNER****List of activities for Employability / Skill Development / Entrepreneurship Skill Development**

(These activities are only indicative, the Faculty member can innovate)

S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Group Activity Create a Bank Poster	Data Collection, Presentation Skills		
2	Mini Case Study on Gold Reserves	Analytical skills		
3	Group Activity: Portfolio investment	Analytical skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Describe and outline the evolution of money and its functions.	1, 2	An, E
CO 2	Evaluate the theories of money demand	1	An, E
CO 3	Appraise the theories of money and interest	1	An, E
CO 4	Analyse factors influencing money supply in the economy and the role of the money market.	2	An, E
CO 5	Examine the functioning of the Central bank and monetary policy in achieving national economic goals.	3, 4	An, E

*PSO – Programme Specific Outcome; Co – COURSE OBJECTIVE; CO – Course Outcome; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

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B.A. ECONOMICS

CORE X- RESEARCH METHODS

(COMMON TO B.A. Economics, B. A. Sociology, B. Sc. Psychology, BBA & B.COM HONOURS)

COURSE CODE: 17UMAN307/17UMAN307P	YEAR/SEMESTER: III /V	MAX MARKS : 100	Theory: 80 marks
			Practical: 20 marks
COURSE TYPE: THEORY & PRACTICALS	CREDITS: 4	TOTAL TEACHING HOURS: 60	Theory: 40 hours
			Practical: 20 hours

GENERAL OBJECTIVE:

To provide a comprehensive overview on the research process culminating in a mini project

COURSE OBJECTIVE:

CO NO.	COURSE OBJECTIVES
Co1	To familiarise the students with research in social sciences and the steps involved in the research process
Co2	To introduce the concept of problem selection in research and the need for review of literature
Co3	To equip the students with various sampling techniques and the process of hypothesis testing
Co4	To discuss the process of data collection and data analysis with suitable statistical tools.
Co5	To elaborate the different types and steps in writing a research report

COURSE CONTENT

UNIT I Introduction to Research Methods

Meaning - objectives of research-research method versus research methodology-types of research- research process - qualities of good research- Ethics in research - Importance-criteria of good research (5 hours)

UNIT II Selection of Research Problem and Review of Literature

Selection of a research problem - sources of problems - criteria of selection- formulation of the selected problem - defining objectives of the study – setting limitations to the study. Review of Literature: Need for Literature Review - sources of Literature, Research gap, Research design (5 hours)

UNIT III Sampling and Hypotheses

B.A. ECONOMICS

Sampling Design or Plan – census vs. Sampling, characteristics of a good sample - steps in sample design types of sampling, sampling methods
Hypotheses- meaning, types of hypotheses - sources and functions of hypotheses - Rules of constructing Hypotheses – significance of hypotheses – **hypothesis testing** (10 hours)

UNIT IV Data Collection and Data Analysis

Primary and Secondary data collection – meaning and sources of data-Levels of measurement-scaling techniques-**questionnaire drafting**-pilot study

Data Processing: Checking-Editing-Coding-Classification and Tabulation

Data Analysis: Meaning and Methods-Quantitative and Qualitative Analysis - Statistical Tools and Techniques for analysis. (15 hours)

UNIT V Interpretation of results and Report Writing

Significance of report writing - Different steps in report writing- Layout of the research report- Types of report-**Mechanics of writing research report**- Precautions for writing research reports. (5 hours)

TEXT BOOKS

- Kothari C R. (2009). Research Methodology. Methods and Techniques (Second Revised Edition), New Age International Private Ltd, Publishers.
- Krishnaswami O R. (2002). Methodology of Research in Social Sciences. Himalaya Publishing House, Delhi.

REFERENCE BOOKS

- Dasgupta, Manas. (2007). Research Methodology in Economics, Problems and Issues. Deep & Deep Publications Pvt. Ltd, New Delhi.
- Ahuja Ram. (2010). “Research Methods”, Rawat Publication, New Delhi.
- Cooper Donald R and Pamela S Schindler. (2010). Business Research Methods (9th Edition), The McGraw- Hill companies, New Delhi.
- J.K. Sachdeva (2019), Business Research Methodology, Himalaya Publishing House, Mumbai, Third Revised Edition
- Evans, A.N., & Rooney, B.J. (2008). Methods in Psychological Research, Sage Publications, New Delhi

WEB RESOURCES:

- How to write Research paper <https://www.youtube.com/watch?v=cMJWtNDqGzI>
- How to write an Article review <https://www.youtube.com/watch?v=80bUjCUo5Es>
- Tools to improve your research writing skill <https://www.youtube.com/watch?v=34GnCx41T08>
- How to format your research paper <https://www.youtube.com/watch?v=CugdFyH6tq8>

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S.N O.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Identifying Research Problem	Critical thinking		
2	Framing of questionnaire	Analytical skills		
3	Report writing	Drafting skills		

COURSE OUTCOMES

On completion of the course the student will be able to

Cos	Course Outcomes	PSOs Addressed	Cognitive Level
CO 1	Analyse the process of undertaking Social sciences research	1	An
CO 2	Analyse research problem of local/national relevance and define the objectives of a research study.	5	An
CO 3	Propose a sampling design and frame a hypothesis capable of being tested.	1	C
CO 4	Outline the sources of data, methods of data collection and apply statistical tools for analysis of data collected.	4	An
CO 5	Create a research report by interpreting the results of research.	1, 5	C

****PSO – Programme Specific Outcome; Co – COURSE OBJECTIVE; CO – Course Outcome; R- Remember; U- Understand; Ap - Apply; An - Analyse; E- Evaluate; C - Create**

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B.A. ECONOMICS

RESEARCH METHODS- PRACTICAL

UNIT I

Introduction to SPSS

Menu Options – Data view and variable view – creating a data file

UNIT II

Data coding and entry in SPSS

Data editing – checking for errors – defining the variables – Importing data into SPSS from MS Excel. Modifying the data file

UNIT III

Descriptive Statistics in SPSS

Mean – Median – Mode – Skewness – Kurtosis – Percentage – Max – Min

UNIT IV

Data Visualisation in SPSS

Histogram – Stem and Leaf – Scatter plot – Line graph – Pie diagram Box plots – bar charts

UNIT V

Inferential Statistics in SPSS

Chi- square – t-test (independent sample t-test) – ANOVA (one-way ANOVA) – correlation – regression (multiple regression)
Exporting tables – Interpretation of data

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B.A. ECONOMICS

ELECTIVE III - ENVIRONMENTAL ECONOMICS AND SUSTAINABLE DEVELOPMENT

COURSE CODE: 19UECO312	YEAR/SEM: III/V	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 5	TOTAL TEACHING HOURS: 75

GENERAL OBJECTIVE:

To identify the interaction between the environment and economic activity and highlight international efforts towards environment and sustainable development

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To introduce theoretical approaches to Environmental Economics
Co2	To discuss market failures , externalities and their impact on the environment
Co3	To elucidate the trade-off between environment and economic growth
Co4	To explain the concept of sustainable development
Co5	To analyse various international treaties on environment and climate change

COURSE CONTENT

Unit I Introduction to Environmental Economics

Meaning, Nature and scope of Environmental Economics- **Ecology and Economic growth** - Approaches to Ecological Economics-Steady state approach- Ayres-Kneese's Material Balance model- Leontief's Abatement model- Economics of Recycling and Waste Management (15 hours)

Unit II Welfare criteria and Environmental Analysis

Pareto criterion- Pigouvian analysis of externalities- Compensation criterion, social choice and justice- **Property rights and Coase theorem**- Environmental quality as a public good- Market failure (15 hours)

Unit III Economic Growth and Environment

Cost of Economic growth- Limits to growth model- Social limits to growth model- **Environmental quality and economic development** (Kuznets hypothesis) (15 hours)

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Unit IV Sustainable Development

Definition of **Sustainable Development** - Sustainable development rules- Indicators and measures of Sustainable development- Sustainable Development Goals – **Progress of select SDGs** (1, 2, 5, 8 & 10) in India (15 hours)

Unit V International Treaties, Conventions & Protocols

Montreal Protocol- Kyoto Protocol- Rio Summit- Ramsar Convention- **Paris Agreement- Environmental Laws of India** – an overview – National Environment Policy 2006 (15 hours)

TEXT BOOK:

- M.L. Jhingan and Chandra K. Sharma (2018)- Environmental Economics Theory, Management and Policy, Second Revised Edition.

REFERENCE BOOKS:

- Perman, Rodger, Yue Ma et al. (2003). *Principles of Environmental Economics and Sustainable Development, 3rd Edition*. Pearson Education Ltd.
- Pearce, David W. and R. Kerry Turner. (1989). *Economics of Natural Resources and Environment*. John Hopkins University Press
- Hussen, Ahmed. (2002). *Principles of Environmental Economics 2nd Edition*. Routledge. London
- Hanley, Nick, J.F. Shogren, and Ben White (2013): Introduction to Environmental Economics, London: Oxford University Press. ISBN: 9780199568734
- Barry Field and Martha K. Field (2016) *Environmental Economics*, McGraw-Hill Education
- Kartarsingh, Anil Shishodia (2007) Environmental Economics: Theory and Applications , Sage India, 1st edition

Web Resources:

- https://www.youtube.com/watch?v=-3xNtg2bPQY&list=PLLy_2iUCG87CSJRAf6NPds7mgIQHFVGSg
- https://www.youtube.com/watch?v=_VShdCUG3yU
- <https://boycewire.com/coase-theorem-definition/>
- <https://www.yourarticlelibrary.com/economics/environmental-economics/limits-to-growth-model-assumptions-and-operation-explained/39465>
- <https://sdgs.un.org/goals>
- <https://www.insightsonindia.com/environment/international-conventions/>

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1	Debate on Environment vs Economy	Critical thinking, Participatory learning		Exposure to Economic environment
2	Group discussion : Changing global climate and international measures	Cooperative learning		Exposure to Economic environment
3	Literature review on Kuznets hypothesis	Research skills		
4	MCQ quiz on Sustainability	Time management skills	Competitive exam skills	
5	Assignment on SDG	Research skills		Exposure to Economic environment

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Outline the theoretical principles of environmental economics	1	An, U
CO 2	Critically analyse and reflect on the implications of the operation of the market mechanism in relation to the environment	2	An
CO 3	Evaluate the impact of economic activity on the environment.	2	E
CO 4	Analyse socio-economic issues through the prism of sustainability	2	An
CO 5	Appraise the recommendations of various international treaties on environmental sustainability and track progress.	3, 5	An, E

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B.A. ECONOMICS

CORE XI FISCAL ECONOMICS II

COURSE CODE: 19UECO316	YEAR/SEM:III/VI	MAX. MARKS: 100
COURSE TYPE:THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To introduce students to government intervention and its implications for financial allocation and distribution

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	Outline the objectives and importance of public debt.
Co2	Examine the role of deficit financing in the fiscal framework.
Co3	Apply knowledge of the budget to evaluate India's Annual Budgets.
Co4	Evaluate the various tools of Fiscal Policy and its role in achieving economic goals.
Co5	Appraise the working of Federal finance in India.

COURSE CONTENT

Unit I – Public Debt

Public debt – meaning, difference between public and private debt, objectives, importance, sources of public borrowings, classification, effects – burden of public debt – internal and external burden – redemption of public debt – public debt management – meaning, objectives and principles. (12 hours)

Unit II – Public Debt and Deficit Financing in India

Public Debt in India – classification, growth, characteristics – public debt of state governments – role of public debt in India – Deficit Financing – difference between deficit financing and budget deficit, objectives, role – types of budgetary deficits – causes and uses of deficit financing – evils of deficit financing (12 hours)

Unit III – Public Budget

Public budget – meaning, purpose, framing of budget, classifications – performance budgeting – balanced vs. unbalanced budget – zero based budgeting – theories of budget – classical theory of budget, modern theory of budget (12 hours)

B.A. ECONOMICS

Unit IV – Fiscal Policy

Fiscal Policy – meaning, objectives, instruments – built-in-stabilisers – fiscal policy for economic growth – effectiveness of fiscal policy – limitations of fiscal policy – long term fiscal policy – role of fiscal policy in developing countries – India’s fiscal reforms
(12 hours)

Unit V - Federal Finance and Tax Evasion

Federal finance – meaning, nature, principles – problems of distribution – methods of adjustments – inter governmental financial relations in India
Tax Evasion – meaning, estimates, causes– consequences and remedial measures
(12 hours)

Text Book:

- R. K. Lekhi & Joginder Singh (2017), Public Finance, Kalyani Publication, 11th edition.

Reference Books

- Musgrave R. A & Musgrave P. B. (2004), Public Finance in Theory and Practice, McGraw Hill Publishing Company Ltd.
- Tyagi B. P. (2005). Breham Prakash, Public Finance, Jai Prakash Nath and Co., Meerut
- Bhatia, H.L. (2004). Public Finance, Vikas Publications, New Delhi.

WEB RESOURCES

- <https://www.economicdiscussion.net/debt-2/public-debt-meaning-classification-and-method-of-redemption/17472>
- <https://m.economictimes.com/budget-faqs/what-is-deficit-financing/articleshow/73329358.cms>
- <https://www.business-standard.com/about/what-is-zero-based-budget#:~:text=Zero%2Dbased%20budgeting%20in%20India&text=In%201986%20the%20Indian%20government,on%20the%20concept%20of%20ZBB.>
- <https://www.yourarticlelibrary.com/policies/role-of-fiscal-policy-in-developing-countries/26320#:~:text=The%20main%20goal%20of%20fiscal,possible%20rate%20of%20capital%20formation.&text=To%20accelerate%20the%20rate%20of,potential%20consumption%20of%20the%20people.>
- <https://www.drishtiiias.com/daily-updates/daily-news-editorials/another-look-at-fiscal-transfers>

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative. Subject faculty can innovate)

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1	Group discussion: Objectives of Public debt	Collaborative learning		
2	Analysing statistics: Current debt levels in India		Research skills	
3	Critical evaluation: Recommendations of the Finance Commission	Critical thinking skills		
4	Group presentation: Deficit Financing	Presentation skills		
5	Comparative analysis of Union budgets	Analytical skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Outline the objectives and importance of public debt	1	An
CO 2	Examine the role of deficit financing in the fiscal framework	2	E, An
CO 3	Apply knowledge of the budget to evaluate India's Annual Budgets	5	Ap,E
CO 4	Evaluate the various tools of Fiscal Policy and its role in achieving economic goals	5	Ap, E
CO 5	Appraise the working of Federal finance in India	3	E

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B.A. ECONOMICS

CORE XII-HISTORY OF ECONOMIC THOUGHT

COURSE CODE: 19UECO317	YEAR/SEM: III/VI	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To elaborate the evolution of economic thought that shaped the theoretical and applied foundation of the economics discipline

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To introduce ancient economic thought with special reference to Indian schools
Co2	To highlight the economic ideas propounded by mercantilists and physiocrats.
Co3	To compare the economic ideas of Adam smith , Thomas Robert Malthus , David Ricardo and J B Say
Co4	To describe the economic ideas of neoclassical school of thought
Co5	To review the economic thought of Keynes and its impact on modern economic thinkers

COURSE CONTENTS:

Unit I: Ancient Economic Thought

Nature and significance of economic thought - Ancient economic thought: Hebrew, Greek and Aristotle - Ancient Indian Economic thought: Kautilya's and Thiruvalluvar's economic ideas (12 Hours)

Unit II: Pre-classical Economic Thought

Mercantilism – outline of mercantilism, critical appraisal of mercantilism – The Physiocrats: -important ideas of Physiocrats, critical appraisal of physiocrats. (12 Hours)

Unit III: Classical Economic Thought

Adam Smith – division of labour, labour theory of value, role of money, laissez-faire, canons of taxation, critical appraisal – Contribution of Thomas Robert Malthus –

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Contribution of **David Ricardo** – Contribution of J B Say: Say's law of market, criticism of Say's law.

(12 Hours)

Unit IV: Socialism and Marginal Revolution

J.S. Mill: restatement of classism - **Karl Marx**: Labour theory of value-materialistic interpretation of history-capital accumulation-Marxian theory of surplus value-criticism of Marxism - Marginal revolution: essential ideas of Marginalist school - Carl Menger's contributions to economic thought - Alfred Marshall (12 Hours)

Unit V: Modern Economic Thought

J.M Keynes - Kenneth J Arrow - Milton Friedman - Paul A Samuelson– Gandhian Thought - Amartya Kumar Sen - Elinor Ostrom - Richard Thaler – Abhijit Banerjee and Esther Duflo (12 Hours)

Text Book:

- T.N. Hajela.(2015) – History of Economic Thought, Ane Books Pvt. Ltd, 18th edition.

Reference Books:

- R R Paul (2018), History of Economic Thought, Kalyani Publishers
- Eric Roll (2002), History of Economic Thought, Faber & Faber Publishers, Main edition
- Lokanathan V (2018), History of Economic Thought, S. Chand & Co.
- L H Haney (2018), History of Economic Thought: A Critical Account of the Origin and Development of the Economic Theories of the Leading Thinkers in the Leading Nations, Franklin Classics Trade Press
- D K Singh, History of Economic Thought, And Publishers; 1st edition

WEB REOURCES

- <https://www.economicdiscussion.net/economics-2/economic-ideas-of-thiruvalluvar/21138>
- <https://www.econlib.org/library/Enc/Mercantilism.html>
- <https://www.economicdiscussion.net/economists/biography-of-adam-smith-with-his-theories-economist/20999>
- <https://www.yourarticlelibrary.com/biographies/biography-of-karl-marx-and-his-works/43760#:~:text=Karl%20Heinrich%20Marx%20was%20the,his%20early%20education%20at%20Trier.>
- <https://www.ubs.com/microsites/nobel-perspectives/en/laureates/richard-thaler.html>
- <https://www.gutenberg.org/ebooks/3300> (An Inquiry into the Nature and Causes of the Wealth of Nations by Adam Smith)

Activity Planner

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(Effective for the batch of candidates admitted in 2019-2020)

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List of activities for Employability / Skill Development / Entrepreneurship Skill Development

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1	Chapter review: Adam Smith ,David Ricardo and Thomas Malthus	Reading and comprehension skills		
2	Class Activity – Timeline of key economic ideas of the classical school	Illustration skills		
3	Comparison of Marxian and Keynesian thought	Analytical skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Appraise the contributions of ancient thinkers to the discipline of Economics.	3	An, E
CO 2	Evaluate the Mercantilist and Physiocrats schools of thought	3	An, E
CO 3	Critically analyse the contributions of significant classical economic thinkers.	3	An, E
CO 4	Compare the ideas of Marx and the Marginal school	3	An, E
CO 5	Analyse foundations of the approaches in the economics of 19 th and 20 th centuries.	3	An, E

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B.A. ECONOMICS

CORE XIII DEVELOPMENT ECONOMICS

COURSE CODE: 19UECO314	YEAR/SEM:III/VI	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To introduce themes that cut across core values, various approaches and theories of development and to provide insight into development policy making and development finance.

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To introduce the different approaches to the concept of development
Co2	To outline the early theoretical framework on economic growth
Co3	To examine the alternative growth models
Co4	To highlight the rationale behind development policy making
Co5	To describe the types and importance of institutional finance in economic development

COURSE CONTENTS:

Unit I – Introducing Economic Development

Defining development – nature of development economics – why study development - Core values of development, Amartya Sen’s approach – Economic growth vs. development vs. progress and economic welfare - Role of values in economic development – objectives of development – comparative economic development (10 hours)

Unit II – Theories of Economic Growth and Development – I

Rostow’s stages of growth – Big Push Theory - Theory of Critical Minimum Effort - Utilisation of Surplus Manpower – Lewis Theory, Nurkse Theory - Rural Urban Migration – Harris-Todaro Model (15 hours)

Unit III – Theories of Economic Growth and Development – II

Harrod-Domar Model (Critical Expansion and Growth) - - Solow Model of Growth - Technical Progress and Growth - Human Capital and Growth - Myrdal Model (Cumulative Causation Thesis) - Kaldor Model (Model of Distribution) (15 hours)

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Unit IV – Development Policy Making

Development Planning – concepts and rationale, basic models of development planning process – government failure and the market economy – development political economy – role of NGOs in economic development – trends in governance and reforms

(10 hours)

Unit V – Financing Economic Development

Role of financial system in economic development – formal vs. informal finance – micro finance – foreign finance – development assistance debate

(10 hours)

Text Book:

- Todaro Michael and C Smith Stephen (2017) Economic Development , Pearson

Reference Books:

- M.L. Taneja & R. M. Myre (2017), Economics of Development and Planning, Vikas Publishing Co., 15th edition
- M.L. Jhingan (2016), Economics of Development Planning, Himalaya Publication House, 41st edition.
- Kulwant Rai Gupta (2006 & 2009), Economics of Development & Planning (Vol. 1 & Vol.2), Atlantic Publishers and Dist.

Web Resources:

- <https://www.worldbank.org/en/about/unit/unit-dec>
- <https://personal.utdallas.edu/~mjleaf/Copestakeunesco.html>
- <https://www.economicdiscussion.net/economic-growth/theories-of-economic-growth-discussed/4203>
- <https://www.journals.uchicago.edu/doi/abs/10.1086/450607?journalCode=edcc>
- https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2130216
- <https://www.oecd.org/governance/rethinking-regional-development-policy-making-9789264293014-en.htm>
- <http://www.igntu.ac.in/eContent/IGNTU-eContent-344137278034-MA-PoliticalScience-4-Dr.GeorgeT.Haokip-Paper401PublicPolicyandDevelopmentinIndia-Unit1.pdf>
- https://unctad.org/system/files/official-document/tdb_efd3d2_en.pdf
- <https://www.imf.org/external/pubs/ft/fandd/2004/09/pdf/clements.pdf>

Activity Planner

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

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S. NO.	DESCRIPTI ON OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Open forum Discussion	Collaborative Learning		
2	Class seminar	Collaborative Learning	Multi-media skills	
3	Assignment on comparative analysis of growth theories	Critical Thinking	Analytical skills	
4	Assignment on comparative analysis of growth models	Critical Thinking		
5	Group project Development Policy Analysis	Collaborative Learning Research Skills Presentation Skills	Analytical skills	
6	Debate: foreign financial aid and impact	Critical thinking skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Outline the central themes, values and approaches to development.	1, 2	An
CO 2	Compare and contrast the theories of growth and development	3	An
CO 3	Critically analyse various models of growth.	3	E
CO 4	Examine the welfare impact of proposed development interventions by different institutions	5	An
CO 5	Evaluate the source and significance of financial support in economic development	2,4	E

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CORE XIV: ECONOMETRICS

COURSE CODE: 19UECO313	YEAR/SEM:III/VI	MAX. MARKS: 100
COURSE TYPE: THEORY	CREDITS: 4	TOTAL TEACHING HOURS:60

GENERAL OBJECTIVE:

To illustrate the assumptions upon which different econometric methods are based and develop an intuitive understanding of the theory

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To build foundational knowledge to an econometric approach to solving economic problems
Co2	To demonstrate the use of Ordinary Least Square(OLS) regression method in making econometric estimations
Co3	To illustrate the use of ANOVA in estimation of regression coefficients
Co4	To introduce Multiple Linear Regression Models and demonstrate estimation of these models
Co5	To illustrate application of econometric techniques in solving practical numerical problems

COURSE CONTENTS:

Unit I - Introduction

Introduction to Econometrics – Meaning– Classical Econometric Methodology – Analysis of economic problems: Demand theory and Keynes Consumption theory (10 hours)

Unit II Ordinary Least Squares (OLS)

Two-variable Linear Regression Analysis: Estimation – Population & Sample Regression Function (PRF, SRF) – Principle of Ordinary Least Squares (OLS) – Derivation of OLS estimators & Properties of OLS estimators – Assumptions of the Classical Linear Regression Model – Estimation of a two-variable model – Reporting & Interpreting the Regression Results – Goodness of Fit Measures - Coefficient of Determination (10 hours)

Unit III Regression Analysis & ANOVA

Two-variable Linear Regression Analysis: Hypothesis Testing – Interval Estimation & Hypothesis testing – An Introduction – Estimation of Confidence Intervals for regression coefficients – Testing the significance of the coefficients – Confidence Interval Approach –

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Standard Error – Reliability of estimators – Testing the overall significance of the Model:
Regression Analysis & ANOVA (10 hours)

Unit IV Estimation & Hypothesis Testing

Multiple Linear Regression Analysis: Estimation & Hypothesis Testing – Introduction to Multiple Linear Regression Models & Significance – Assumptions underlying the Multiple Regression Model – Estimation of a three-variable model -Reporting & **Interpreting the Regression Results** – Standard Error – Reliability of estimators – Coefficient of Determination – Goodness of Fit Measures – Hypothesis testing – Testing the overall significance of the Model (10 hours)

Unit V Problems

Problem Assignments – Example I: Estimating Demand/Supply Function, Compute Elasticity – Example II: Estimating Consumption Function, Compute & Test the significance of MPC – Example III: Estimating **Cob - Douglas Production Function**, Computing output elasticity with respect to Labour and Capital Inputs, Testing the significance of the coefficients and of the model – Example IV: Compute Growth Rates (10 hours)

TEXT BOOK:

- Gujarati D.N., Dawn Porter, Sangeetha (2017), Basic Econometrics, Tata McGraw-Hill Publishing Company, 5th edition.

REFERENCE BOOKS:

- Dougherty, C. (1992), Introduction to Econometrics, Oxford University Press, New York.
- Koutsoyiannis, A. (1977), Theory of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
- Maddala, G.S. (1997), Econometrics, McGraw Hill, New York.

WEB RESOURCE:

- https://www.youtube.com/watch?v=-3xNtg2bPQY&list=PLLy_2iUCG87CSJRAf6NPds7mgIQHFVGSg
- <https://www.youtube.com/watch?v=GMVh02WGhoc&list=PLwJRxp3blEvaxmHgI2iOzNP6KGLSyd4dz>
- https://www.youtube.com/watch?v=M_5SLG7sUa0&list=PLwJRxp3blEvZyQBTTOMFRP_TDaSdly3gU
- <https://www.xlstat.com/en/solutions/features/ordinary-least-squares-regression-ols>
- <https://www.statisticshowto.com/probability-and-statistics/hypothesis-testing/anova/>
- http://web.vu.lt/mif/a.buteikis/wp-content/uploads/PE_Book/3-6-UnivarHypothesis.html

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Activity Planner

List of activities for Employability / Skill Development / Entrepreneurship Skill Development

(These activities are only indicative, the Faculty member can innovate)

S.NO.	DESCRIPTION OF ACTIVITY	ACTIVITIES THAT HAVE A DIRECT BEARING ON SKILL DEVELOPMENT (SD)	ACTIVITIES THAT HAVE A DIRECT BEARING ON EMPLOYABILITY (EM)	ACTIVITIES THAT HAVE A DIRECT BEARING ON ENTREPRENEURSHIP (EN)
1	Class discussion – Macroeconomic theory	Participatory learning		
2	MCQ – Knowledge Check on two variable regression model and ANOVA	Time Management , Critical Thinking	Competitive exam skills	
3	Group work on interpreting regression results	Collaborative learning, Presentation skills		
4	Problems on Cobb-Douglas production function	Critical Thinking,		Problem solving
5	Group Presentations using multiple regression model	Collaborative learning, Presentation skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Outline the core econometric principles, concepts and theories that form the foundation of modern economic analysis.	1	An
CO 2	Differentiate the types of Regression analysis and their utility in econometric problem solving.	1	Ap, E
CO 3	Construct fundamental econometric models and test validity of the hypotheses.	4	Ap, C
CO 4	Apply understanding of core concepts and quantitative tools to analyse and research real world problems.	4	Ap, E
CO 5	Evaluate alternative economic policy proposals on a range of issues	5	An, E

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CORE XV: PROJECT

COURSE CODE: 19UECO315	CREDITS: 4	YEAR/SEM:III/VI	MAX. MARKS: 100
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COURSE OBJECTIVE:

This course aims at facilitating and developing attitude towards quality research at undergraduate level.

EVALUATION	MARKS
PROJECT PREPARATION AND PRESENTATION	50
VIVA	50
TOTAL	100

COURSE OUTCOMES:

Cos	Course Outcomes	PSOs Addressed	COGNITIVE LEVEL
CO 1	Demonstrate the ability to initiate research and to formulate viable research questions	1,4	C
CO 2	Evaluate and synthesize research based and scholarly literature	3	An
CO 3	Integrate the capacity to design, conduct and report original research findings	2	C
CO 4	Present the research findings and arguments in a structured manner.	4	Ap, C
CO 5	Generate research report through collaborative learning by working in teams.	4	C

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