

M.O.P. VAISHNAV COLLEGE FOR WOMEN

(AUTONOMOUS)

Choice Based Credit System

Course of Study for the batch of Candidates

admitted in

2022-2023
2021-2022
2020-2021

ACADEMIC YEAR 2022-2023

B.A. (Economics)

Activities / Content with direct bearing on

Employability / Entrepreneurship/ Skill Development

Choice Based Credit System Course of Study for the batch of Candidates admitted in 2022 – 2023

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

Effective for the batch of candidates admitted in 2022-2023

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

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 Publicaton, 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_rttext.pdf**
- **https://www.youtube.com/watch?v=Vss3nofHpZI&list=PL61533C166E8B0028&index=1**
- **https://www.businesstopia.net/economics/micro/uses-price-elasticity-demand-business-decision-making**
- **https://mh.bmj.com/content/29/2/81.full**

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- https://www.investopedia.com/ask/answers/042215/what-difference-between-economies-scope-and-economies-scale.asp
- 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/

ACTIVITY PLANNER

(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	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		

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

COURSE CODE: 22UECO301	**YEAR/SEMESTER: 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 and Tamilnadu economy

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To outline the nature of Indian economy and highlight the changes
Co2	To discuss the national income and the major issues of poverty, inequality, unemployment and human development in India in comparison to other countries
Co3	To provide qualitative and quantitative overview of different sectors of Indian Economy
Co4	To describe the components of international trade and analyse India's Balance of Payments
Co5	To identify various components of revenue and expenditure in the Union budget and to overview of Indian economy and Tamilnadu Economy

COURSE CONTENTS:

Unit – I Introduction to Indian Economy

Features and issues of Indian Economy - Planned Economic Development in India - achievements and failures of planning in India – economic crisis and rationale behind economic reforms – New Economic Policy (LPG) 1991 – NITI AAYOG (10 hours)

Unit – II National Income, poverty, unemployment and Human Development Index

National income – sectoral contributions and economic transition in India – Poverty and Inequality – definition and estimate, Gini Coefficient, SEN Index, poverty line - income and

regional inequality – causes and corrective measures, unemployment: nature and extent, corrective measures – HDI – International comparisons (15 hours)

Unit – III Sectors of Indian Economy

Indian agriculture – Trends in production and productivity – land reforms – green revolution - agricultural pricing - agricultural marketing – food security

Industrial Development – trends and problems, MSMEs – role, problems, and policy perspective to help MSMEs – Industrial policy 1991 and recent developments

Overview of Services Sector in India (15 hours)

Unit – IV 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 (10 hours)

UNIT-V Government Budget (Expenditure and Revenue) and Tamil Nadu Economy Overview

Trends in revenue and expenditure of central and state Governments-deficit finance in India-current year budget of government of India and Tamil Nadu -Finance commission- role and functions, federal finance in India – Economic Survey of India – Overview of Tamil Nadu Economy (10 hours)

TEXT BOOK:

- P. K. Dhar (2022), Indian Economy – Its Growing Dimensions, Kalyani Publications 25th edition.

REFERENCE BOOKS

- V.K. Puri & S.K. Misra (2022) Indian Economy, Himalaya Publishing House, 40th edition.
- 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.
- Kausik Basu (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

https://www.pib.gov.in/allRel.aspx
https://www.niti.gov.in/documents/reports
https://www.niti.gov.in/documents/arth-niti
https://www.niti.gov.in/annual-reports

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	Group Discussions :Topics of Importance from Competitive exams point of view: NEP 1991	Interactive learning	Competitive exam skills	Exposure to economic environment
2	Trend analysis: India's National income	Data Analysis skills		
3	Group Assignment : To Present The Various Poverty Alleviation Programs	Presentation skills, Report writing skills, Research skills		
4	MCQ quiz: Trends in production and productivity of agricultural and industrial sector		Competitive exam skills	
5	Debate: Green revolution	Critical thinking skills		

6	Hands on activity: India's foreign trade in comparison to other countries	Experiential learning	Competitive exam skills	
7	Panel Discussion on Latest Union Budget	Analytical skills		
8	MCQ quiz on Economic survey of India		Competitive exam 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 nature, problems and progress of Indian economy	2	**E**
CO 2	Analyse trends in National Income and assess the causes of Poverty, Inequality and Unemployment in India	1	**An**
CO 3	Evaluate the growth of Agricultural, Industries and services sectors and argue various policy programmes aimed at its growth	5	**E**
CO 4	Compare the composition and direction of Foreign trade in India and evaluate the Balance of Payments position	1, 2	**E**
CO 5	Examine the nature and scope of Public Finance in India with special reference to Union Budget and Tamil Nadu Economy	4, 5	**An**

Question Paper Pattern

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B.A. ECONOMICS

ALLIED I – ENTREPRENEURSHIP DEVELOPMENT AND SMALL BUSINESS MANAGEMENT

COMMON TO B. Com (A&F), B.Com (CS), B.Com (MM), B.Com Hons, BBA and B.A. Economics

COURSE CODE: 21UMAN302	**YEAR/SEMESTER: I/I**	**MAXIMUM MARKS:100**
COURSE TYPE:THEORY	**CREDITS: 5**	**TOTALTEACHING HOURS: 75**

GENERAL OBJECTIVE

To develop and strengthen the entrepreneurial skill sets in students and motivate them to start their business venture.

COURSE OBJECTIVES (Co)

Co No.	Course Objectives
Co1	To familiarize students with the concept of entrepreneurship and its role in economic development
Co2	To enable students to identify business opportunities, prepare B Plans and Project Appraisals Reports
Co3	To identify sources of finance in India to start entrepreneurial ventures
Co4	To understand the key concepts and ideas to run small business and family owned business ventures
Co5	To acquaint students with the emerging trends in entrepreneurship

UNIT I

Introduction to Entrepreneur and Entrepreneurship

Concept of Entrepreneur – Meaning and evolution – Characteristics and Functions of an Entrepreneur – The Entrepreneurial Decision Process – Need for Entrepreneurs – Types of Entrepreneurs – Entrepreneurial Skills – Difference between Wage Employment

and Self – Employment – Concept of Intrapreneur – Entrepreneur v/s Intrapreneur
Concept of Entrepreneurship – Meaning and elements – Role of Entrepreneurship in Economic Development – Factors Affecting Entrepreneurial Growth (15 Hrs)

UNIT II
B – Plan, Project Appraisal, and Business Model Canvas

Identification of Business Opportunities – Business opportunities in various sectors – Idea generation – Sources and Methods of idea generation – Opportunity and Product identification
B-Plan Writing – Meaning, Contents of a B-Plan, Formulation of B – Plan and common errors in B - Plans
Project Appraisal – Meaning and Methods – Economic, Financial, Market, Technical and Managerial Feasibility
International Business Model Canvas Creation – Meaning – Components and Building Blocks of the Canvas (15 Hrs)

UNIT III
Business Creation and Support
Steps for Setting up a Business – Ownership Structure, Registration, Licensing and Legal Formalities

Need for financial planning - Sources of Finance – Internal and external sources – Term loans – Venture Capital, Export Finance, Angel Investors – Institutional Support to Entrepreneurs – NSIC, SIDO, SSIB, SSID, SISIs, DICs, TCOs, Industrial Estates and Specialised Institutions (15 Hrs)

UNIT IV
Business Establishments
Small Enterprises – Meaning, Types, Characteristics, Objectives – Micro and Macro Units – Relationship, rationale and scope – Role of Micro Enterprises in Economic Development – Problems of Small Scale Industries – Package for promoting small enterprises – MSMED Act 2006

Family Business – Meaning, Characteristics, Advantages, Disadvantages, Types, Major challenges – Succession Planning – Making family business effective – Five Assets and Ten Commandments of family business
Women Entrepreneurship – Concept, Functions, Problems and limitations (15 Hrs)

UNIT V
Emerging Entrepreneurship Trends in India

Social Entrepreneurship – Meaning and Definition – Difference between Business Entrepreneurship and Social Entrepreneurship – Characteristics of Social Entrepreneurs – Boundaries of Social Entrepreneurship (Social Service Provision and Social Activism)
Rural Entrepreneurship – Meaning and Need, Development of Rural Entrepreneurship – Types of Rural Entrepreneurship – Problems of Rural Entrepreneurship – Role of NGOs in Rural Entrepreneurship – Concept of Rural Tourism Entrepreneurship in India
Agri-Preneurship – Meaning, Need, Opportunities and Challenges – Developing Agri-Preneurship
Start Ups and Co -Working Spaces (15 Hrs)

TEXT BOOK

- Dr. S.S. Khanka. Entrepreneurial Development, S.Chand (Latest Edition)

REFERENCE BOOK

- Jayashree Suresh, (Reprint 2020) Entrepreneurial Development, Margham Publications.
- CharantimathPoornima, (Reprint) Entrepreneurship Development – Small Business Enterprises. Pearson Education
- Dr. C.B. Gupta & Dr. S.S. Khanka (Reprint 2020) Entrepreneurship and Small Business Management. Sultan Chand & Sons

E-RESOURCES

WebLinks

- http://www.sasurieengg.com/e-course-material/MBA/II-Year-Sem-
- https://simon.rochester.edu/fac/raith/Entrepreneurship/Doyle/ENT422%20Fall06/Articles/Creativity%20and%20the%20Business%20Idea.pdf
- http://www.business.uzh.ch/dam/jcr:00000000-505f-0781-0000-000015ca410a/Kap3primerentrepreneuruka.pdf
- https://www.inc.com/encyclopedia/family-owned-businesses.html
- http://www.fimt-ggsipu.org/study/bcom305.pdf

YouTube Links

- https://www.youtube.com/watch?v=f76wtylyEFk
- https://www.youtube.com/watch?v=MdNNGfoxrqA
- https://www.youtube.com/watch?v=wZhXcyIODSc
- https://www.youtube.com/watch?v=kixaIURlfJ8
- https://www.youtube.com/watch?v=4e4ZTUiSDI

ACTIVITY PLANNER

(These activities are only indicative; the faculty member can innovate)

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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	Group discussion Activity – Life of selected entrepreneurs	Research skills and collaborative learning		
2	Group Activity : B-Plan proposal (Preparation and presentation of a Business plan for a mock business idea)	Analytical skills		
3	Class Activity – Business on Campus			Practical application of entrepreneurship theory.
4	Group Presentation: Women Entrepreneurs and Family Business	Presentation skills		
5	Group Discussion – Social entrepreneurship ideas	Participative learning		

COURSE OUTCOMES

COs	Course Outcomes	PSOs Addressed	Cognitive Level
CO 1	Examine the significance of entrepreneurship and the Role of entrepreneurs in the economic growth of India	1,2	An
CO 2	Outline and analyze the opportunities and constraints In developing global business ideas and prepare B plans and project appraisal reports	1,4	An, C

CO 3	Evaluate the various sources of finance for entrepreneurs and compose the steps involved in setting up a business	1	E, C
CO 4	Evaluate the concepts and issues of Small Enterprises, Family Business Management and Women Entrepreneurship.	1	E
CO 5	Outline the various emerging trends in entrepreneurship	2	An

***R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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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.)

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.epi.org/publication/how-todays-unions-help-working-people-giving-workers-the-power-to-improve-their-jobs-and-unrig-the-economy/
- https://www.ippr.org/files/2018-06/cej-trade-unions-may18-.pdf
- https://ctaar.rutgers.edu/gag/NOTES/micnotes11.html

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- 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

(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.	**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		
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		

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 - QUANTITATIVE METHODS

COURSE CODE: 22UECO302 & 22UECO302P	**YEAR/SEMESTER: I/II**	**MAX MARKS: THEORY 80 PRACTICAL 20**
COURSE TYPE: THEORY & PRACTICAL	**CREDITS: 4**	**TOTAL TEACHING HOURS: 60 THEORY: 45 PRACTICAL: 15**

General Objective:

To provide an introduction to the quantitative methods with emphasis statistical techniques and mathematical techniques applicable in economics. Students will gain experience with using the Microsoft excel.

COURSE OBJECTIVES (Co):

Co.No.	Course Objective
Co1	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.
Co2	To identify the relationship between variables using correlation to describe how regression analysis is used to predict values.
Co3	To understand the fundamental concepts of probability, learn different methods of constructing index numbers.
Co4	To understand the basic rules of differentiation and integration, and their application in economics.
Co5	To perform addition, subtraction, multiplication and transpose of matrices and apply determinants in solving simultaneous equations using Cramer's rule.

COURSE CONTENTS

UNIT I Descriptive statistics – I

Diagrammatic and Graphical Presentation of Statistical data - Measures of central tendency: mean, median and mode, Measures of dispersion, Skewness: types and absolute measure

(8 hours)

UNIT II Descriptive statistics – II

Correlation: types, Karl Pearson's co-efficient of correlation, Regression- Regression Analysis (except bivariate frequency distribution), Time series analysis: Components of time series, Measurement of Trend- Graphic Method, Method of Semi-averages, Measurement of seasonal variations, Simple Problems. (9 hours)

Unit III Probability and Index Numbers

Probability- Addition and Multiplication Theorem, Conditional probability, Baye's theorem, Simple Problems (Statement only for all the theorems), Index Numbers - simple, weighted, cost of living index numbers. (8 hours)

Unit IV - Matrices and Determinants

Matrices – addition, subtraction, multiplication, Transpose of a matrix, Determinants – properties of determinants (only statements), Inverse of a matrix using cofactor method, Solution of simultaneous equations using Cramer's rule, Application of matrices and determinants in economics. (10 hours)

Unit V Differential and Integral Calculus

Process of differentiation – First order and second order differentiation, maximum and minimum values of a function, simple problems

Process 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 (10 hours)

TEXT BOOK:

- S.P. Gupta (2008) Statistical methods, Sultan Chand & Sons.
- B.C. Mehta, G.M.K. Madnani (2018) Mathematics for Economics, Sultan Chand & Sons.

REFERENCES:

- P. R. Vittal (2009), Mathematical Statistics, Margham Publications.
- Sharma (2007), Business Statistics, Pearson Education.

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B.A. ECONOMICS

ACTIVITY PLANNER

List of activities for Skill Development

(These activities are only indicative; the faculty member can innovate)

- **Class presentation**: Students make presentation on data pertaining to income/expenditure/savings of residents living in their area using appropriate tools of diagrammatic and graphical representation.
- **Assignments:** Students solve problems on mean, median, mode, Quartile deviation, Standard deviation, Coefficient of variation.
- **Individual learning:** Students are divided into groups and each group is assigned a task of computing Karl Pearson's co-efficient of correlation between related variables (Internal assessment and End semester marks, income and expenditure etc.,) and obtain its linear relationship using regression analysis.
- **Case study Analysis** on Financial forecasting: Students analyze financial data and predict future revenues using methods of time series.
- **Real time reactions**: Class interactive session on different methods of constructing index numbers to measure trends in wide variety of areas including stock market prices ,cost of living, industrial and agricultural productions and imports.
- **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.
- **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**.**
- **Class seminar**: Students make presentation on the properties, different techniques of solving matrices & determinants and its application in economic world.

COURSE OUTCOMES:

On completion of the course, students will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO1	Analyse the measures of central tendency, present data using various diagrammatic/graphical representations and use them as an effective tool of analysis in the national/global environment.	1	An
CO2	Employ correlation & regression methods to analyse and interpret data.	1	E

CO3	Determine index numbers using different methods and solve problems based on the concepts of probability in a real world scenario.	4	An
CO4	Apply the computational techniques of matrices/ determinants to solve problems in real world scenarios.	4	E
CO5	Determine cost/revenue functions related to derivatives and apply the principles of maxima/ minima in economic analysis and evaluate cost function, revenue function, consumer and producer's surplus using methods of integration.	4	E

R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create.

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B.A. ECONOMICS

ALLIED-II – MARKETING MANAGEMENT
COMMON TO B.A. ECONOMICS, B.Com (ACCOUNTING&FINANCE), B.Com (MARKETING MANAGEMENT), B.Com (CORPORATE SECRETARYSHIP), B.Com (HONOURS) & B.B.A

COURSE CODE: 21UMAN301	YEAR/SEMESTER: I/ II	MAXIMUM MARKS : 100
COURSE TYPE: THEORY	CREDITS: 5	TOTAL TEACHING HOURS: 75

GENERAL OBJECTIVE

The course examines the major concepts, principles and elements of the Marketing Mix that underlay modern business models. The course introduces students to the universal applications of innovative marketing practices in the ever-transforming dynamic business environment.

COURSE OBJECTIVES

Co No.	Course Objectives
Co1	To facilitate the understanding of the role played by marketing in the global business environment
Co2	To familiarize students with product, branding and packaging strategies that are universally applicable
Co3	To identify the factors influencing consumer behavior and purchase decision
Co4	To understand the pricing objectives and the modalities of sales distribution
Co5	To equip students to understand the promotion mix elements and evaluate the promotion techniques
Co6	To enable the students to appreciate the innovations and emerging cross cutting trends in marketing

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B.A. ECONOMICS

UNIT I

Marketing & It's Applications

Meaning and definition of Marketing Management, Nature, importance, Evolution, concepts, traditional and modern functions of marketing, inter relationship between marketing and other functional areas, distinction between marketing and selling- Marketing environment. (15 Hrs)

UNIT II

Consumer Behaviour and Market Segmentation

Consumer Behaviour ,Definition, Dimensions, Need, Kotler's model of Consumer Behaviour, Consumer Buying Process, buying motives, Theories of Buyer Behaviour, Maslow's hierarchy of needs, Economic theory, learning theory, Psychoanalytic theory, Howard Sheth model **- Market segmentation,** Concept, meaning, need, steps in segmentation, basis of segmentation, targeting and positioning. (15 Hrs)

UNIT III

Marketing Mix I

Product**,** Concept of product, attributes, levels, objectives, policies, product mix & line, New Product Development, Product Life Cycle, product failures, branding and packaging strategies, labelling**– Price,** Meaning and definition, significance, objectives, factors influencing pricing, kinds of pricing decisions, pricing problem, pricing discrimination. (15 Hrs)

UNIT IV

Marketing Mix II

Place, Channel of Distribution, meaning, importance, levels and gaps in COD, marketing middlemen, Kinds of channel members (major channel types), functions of middlemen, difference between channels of distribution and physical distribution **– Promotion**, Meaning, objectives, strategies, elements of the promotion mix (in brief), Meaning, objectives, advantages and disadvantages ofadvertising, personal selling, sales promotion, publicity and public relations (15 Hrs)

UNIT V

Marketing in the New Millennium

Innovations in marketing, De–marketing, Re–marketing, Over Marketing, Meta Marketing, Virtual Marketing ,Green marketing, Global marketing, Services marketing

Innovations - Mobile Marketing, Digital and Social Media Marketing (In brief)

Emerging Trends - AI Marketing – Meaning and applications – Chatbots for better CRM, Marketing campaigns using Virtual Reality and Augmented Reality, Marketing Analytics – Meaning and applications (15 Hrs)

TEXT BOOK

- Dr.C.B.Gupta& Dr. N. Rajan Nair, Reprint 2020, Marketing Management, Sultan Chand & Sons, New Delhi, 19th Revised Edition

REFERENCE BOOKS

- Philip Kotler. (Reprint 2019). Principles of Marketing: A South Asian Perspective, Pearson Education. New Delhi
- Dr. N. Rajan Nair. (Reprint 2019). Marketing, Sultan Chand & Sons. New Delhi

E-RESOURCES

Web Links

- https://subjectquery.com/marketing-nature-scope-functions-importance/
- https://www.omniconvert.com/blog/consumer-behavior-in-marketing-patterns-types-segmentation/
- https://www.economicsdiscussion.net/marketing-2/product-planning-process/product-planning-process/32443
- https://rajdhanicollege.ac.in/admin/ckeditor/ckfinder/userfiles/files/Physical%20Distribution%20ReadingMaterial.pdf
- https://edurev.in/studytube/Unit-5-Topic-Trends-in-Marketing--B-Com-Hons---III/93ecd520-57ae-4720-9bdb-7e6f29c56dd0_p

YouTube Links

- https://www.youtube.com/watch?v=i1xz5Kv-7VY
- https://www.youtube.com/watch?v=0srjdRDh99Y
- https://www.youtube.com/watch?v=vpRFgi2HqQ0
- https://www.youtube.com/watch?v=p7dWQE6kwsw
- https://www.youtube.com/watch?v=dqaIqlgNyKw&t=142s

ACTIVITY PLANNER

List of activities for Employability / Skill Development / Entrepreneurship Skill

Development
(Course faculty may conduct any, all or any other activities as well)

- Hangman, Connections, Pictionary, Quiz or jumble the mumble game to make students understand and familiar with commonly used marketing concepts & terminologies.
- Presentation by students on Marketing strategies adopted in movies, product or service or events like IPL film fare etc... By doing this activity Students will attain insight on Significance and applications of marketing
- Students to choose any movie and analyze it as product the reasons for its success or failure which will cover pricing promotion competition and other aspects of market
- Role play by students to understand the behavior of different consumers and the Selling technique adopted with different pricing strategies
- Students will be asked to develop a new product of their choice and do the packaging and branding for the same and display it in class exhibition
- Space marketing-Students to approach sponsors for sponsorship for the department club activities in the form of giving a milage to the sponsor by encouraging them to put up stalls, banners, advertisements printing in annual department journal. By doing this activity students negotiation skills gets sharpened
- VELAIKARAN Movie screening to understand the importance of branding & display strategies
- Presentations and role play by students on COD to familiarize them with different types of channel members and importance of channel of distribution.
- Students will present example on each of the marketing technique followed in this millennium like SMS marketing, Virtual marketing viral marketing, Interactive TV etc…
- Case Study Discussion (end of each chapter in the text book)
- Students to List out the brands used by them from morning to bed time (one day observation) to make them understand the importance of branding.
- Examples for product-Consumer product & industrial product & Examples for service to ensure they understand the difference between them
- Example of any company's product or service that is affected due to environmental factors (Micro & Macro)
- Students will share in class Recent shopping Experience of an expensive, moderate and low value product or service bought for self or for the family. This exercise will make student understand the types of consumers buying decision.
- Students can be asked to list out in product standardization what are the physical properties considered
- Any product can be taken of student choice and she is expected to make a list of information printed on the wrapper this activity helps in understanding the importance of labeling in product strategies.

- Examples to be listed by students on Different types of packaging, different kinds of brand names. This activity will help students to understand each of the types clearly.

- Take a product that has failed in the market students are asked to find out the reasons for product failure like is it due to competition, high price, poor quality or improper distribution channel etc…
- Promotion as a communication tool between consumers and manufacturers same movie assignment can be explained with importance to promotion as reason for failure or success
- Students to list out examples of products or service for which currently sales promotion is happening like offer discounts price off etc. to understand the different sales promotional techniques
- Presentation by students on Advertising benefits and criticism (examples for each media)
- Developing a promotion plan for an imaginary product using social media marketing
- Knowledge sharing session on emerging marketing techniques

COURSE OUTCOMES

On completion of the course, the student will be able to

COs	Course Outcomes	PSOs Addressed	Cognitive Level
CO 1	Analyze the relevance of marketing terminologies, concepts, principles, theories, analytic techniques, and facts used in the global business environment for effective and ethical decision-making.	1,2,3,5	An
CO 2	Integrate Segmentation, Targeting and Positioning to create, capture, and deliver value to consumers through the application of universal Consumer behaviour theories.	1,2	C
CO 3	Formulate the product and price mix based on the business situation, management resolution and ethical solution to serve consumer needs.	1,4	C

CO 4	Develop a marketing plan to generate better sales and profits through cutting edge promotion techniques and unique distribution methods for business sustainability.	1,2,4,5	C
CO 5	Outline the innovative emerging trends and new age digital tools applied by marketers to enhance consumer engagement	3,4,5	An

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B.A. ECONOMICS

NON-MAJOR ELECTIVE I
ECONOMICS FOR NON-ECONOMISTS I

COURSE CODE: 22UNME404A	**YEAR/SEMESTER : I/II**	**MAX MARKS: 100**
COURSE TYPE: THEORY	**CREDITS : 2**	**TOTAL TEACHING HOURS: 30**

GENERAL OBJECTIVE

To introduce economic principles and concepts to students who are not doing a major course in economics.

COURSE OBJECTIVES (Co)

Co No.	Course Objective
Co1	To get acquainted with basic terminology and concepts of microeconomics.
Co2	To introduce basic terminology and concepts of macroeconomics
Co3	To understand the nature of the Indian Economy
Co4	To provide an account of macroeconomic policy measures initiated by the Government
Co5	To induce an economic way of thinking

COURSE CONTENT

UNIT I - Basic Microeconomic Concepts

Definition, scope and nature of Economics, Basic concepts in Economics – Opportunity Cost, Production possibilities curve,Central problems of an economy and Economic systems

(6 Hrs)

UNIT II - Basic Macroeconomic Concepts

National Income – Consumption – Saving – Investment – Business Cycles - Balance of Payments (6 Hrs)

UNIT III - Indian Economy – A Profile

Nature of the Indian Economy, Role of different sectors – Agriculture, Industry, and Services in the development of the Indian economy – HDI (6 Hrs)

UNIT IV - Economic Reforms in India

Features of economic reforms since 1991, Liberalisation, Privatization and Disinvestment, Globalisation. (6 Hrs)

UNIT V - Monetary and Fiscal Aspects of Indian Economy

Commercial Banks – Role and functions, Reserve Bank of India – Role and functions, monetary policy, Fiscal policy (6 Hrs)

TEXTBOOK

Study Material

REFERENCE BOOKS

- M.L Jhingan, Principles of Economics – 4th edition, 2012, Vrinda Publications (P) Ltd.
- Dutt and Sundaram (latest edition), Indian Economy, Sultan Chand & Sons- New Delhi.
- P. K. Dhar (2018), Indian Economy – Its Growing Dimensions, Kalyani Publications 25th edition.

WEB SOURCES

https://unacademy.com/content/upsc/study-material/post-independence-india/types-of-economic-systems/

https://open.lib.umn.edu/principleseconomics/chapter/29-2-determinants-of-investment/#:~:text=The%20other%20determinants%20of%20investment,technological%20change%2C%20and%20public%20policy.

https://byjus.com/commerce/features-of-indian-economy/

https://www.toppr.com/guides/economics/liberalization-privatisation-and-globalisation/introduction-to-lpg/#:~:text=LPG%20stands%20for%20Liberalization%2C%20Privatization,between%20India%20and%20other%20countries.

ACTIVITY PLANNER

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B.A. ECONOMICS

(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	Group Discussion on "Economic system for the developing nation"	Building analytical skills		
2	Discussion on video presentations of consumption pattern of the Indian Economy	Interpreting skills	Data Analysis and Interpretation	
3	Discussion on "Which sector is crucial for economic development of the country?"	Exploration Skills		
4	Assignment on the impact of globalization on the Indian Economy		Competitive exam	
5	Presentation on Framing of Budget in India	Policy Making	Competitive exam	

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B.A. ECONOMICS

COURSE OUTCOMES

On completion of the course, students will be able to

CO No.	COURSE OUTCOME	PSOs Addressed	COGNITIVE LEVEL
CO1	Discuss the basic concepts in Economics	1, 4	E
CO2	Identify economic problems and their source of origin.	4	An
CO3	Examine problems of the contemporary Indian Economy	2, 3	E
CO4	Inspect the impact of Macroeconomic policies	2, 3, 5	An
CO5	Solve basic questions involving fundamental concepts in Economics	1, 4, 5	An

***R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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B.A. ECONOMICS

NON-MAJOR ELECTIVE II

ECONOMICS FOR NON-ECONOMISTS II

COURSE CODE: 22UNME404B	YEAR/ SEMESTER:I/ II	MAXIMUM MARKS:100
COURSE TYPE:THEORY	CREDITS:2	TOTAL TEACHING HOURS: 30

GENERAL OBJECTIVE

To introduce the basic application of economic principles in the real world

COURSE OBJECTIVES (Co)

Co No.	Course Objective
Co1	To hone the skill of constructing and preparing a consumer survey
Co2	To observe and examine the trends of macro-economic variables
Co3	To analyze the nature of the Indian Economy and different sectors of the economy.
Co4	To analyze and compare India's socio-economic indicators with other countries
Co5	To provide insights on the Union Budget and Monetary Policy of India

COURSE CONTENT

UNIT I – Consumer Survey

Steps in designing and executing a consumer survey (6 Hrs)

UNIT II – Data Observation on macro-economic variables

Observation of macro-economic variables (6 Hrs)

UNIT III – Performance Analysis of different sectors of the Indian Economy

Contribution of Primary, Secondary and Tertiary Sector to GDP (6 Hrs)

UNIT IV – Comparative study of India with selected countries

Comparative study of socio-economic indicators of India with selected other countries (6 Hrs)

UNIT V – Current Union Budget and Current Monetary Policy

Current Union Budget, Current Monetary Policy of RBI (6 Hrs)

TEXTBOOK

Study Material

REFERENCE BOOKS

- Dutt and Sundaram (latest edition), Indian Economy, Sultan Chand & Sons- New Delhi.
- P. K. Dhar (2018), Indian Economy – Its Growing Dimensions, Kalyani Publications 25th edition.

WEB SOURCES

https://blog.bit.ai/how-to-create-a-customer-survey-for-better-insights/

https://www.toppr.com/guides/economics/sectors-of-the-indian-economy/introduction-sectors-indian-economy/#:~:text=They%20are%20three%20sectors%20in,divided%20into%20organized%20and%20unorganized.

https://unacademy.com/content/ssc/study-material/indian-economy/economic-reforms-since-1991/

https://www.indiabudget.gov.in/doc/budget_speech.pdf

ACTIVITY PLANNER

(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	Preparing a consumer survey	Survey Skills		

2	Observing trends of macroeconomic variables by constructing graphs	Interpreting skills	Data Analysis and Interpretation	
3	Identification of the goods/services that Contributes more to GDP from the Agricultural, Industrial and Tertiary Sector.	Observing Skill		
4	Making a comparative analysis of indicators of selected countries with India		Competitive exam	
5	Discussion on Union Budget and Monetary Policy of India	Policy Making	Competitive exam	

COURSE OUTCOMES

On completion of this course, students will be able to

COs	Course Outcomes	PSOs Addressed	Cognitive Level
CO1	Create a consumer survey for conducting research	4	C
CO2	Analyze the trends of macro-economic variables	2,3	An
CO3	Examine the different sectors of the Indian Economy	2,3	E
CO4	Analyze and compare the Indian Economy with other nations	2	An
CO5	Understand the Union Budget and working of monetary policy of India	2,5	An

R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create

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

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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

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.economicsdiscussion.net/theory-of-income/classical-theory-of-income-and-employment-economics/259
- http://www.economicsdiscussion.net/consumption-function/consumption-function-concept-characteristics-and-possibility/20695
- http://www.economicsdiscussion.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

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- http://www.economicsdiscussion.net/multiplier-extensions/top-3-types-of-multiplier-in-economics/7817
- ·http://www.economicsdiscussion.net/theory-of-income/keynes-saving-function-characteristics-and-equations/6219

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		
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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B.A. ECONOMICS

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

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 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:

- Todaro 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%2C%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

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- 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%2C%20business%20correspondent%20model.

Activity Planner

(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		

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**

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Allied III: PRINCIPLES OF FINANCE

Course Code: 19UECO305	Year / Semester: II / III	Maximum 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 (15 hours)

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 (15 hours)

UNIT III - Dividend Theories and Valuation

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 (15 hours)

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). (15 hours)

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 (15 hours)

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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

E-RESOURCES:

- http://web.gjuonline.ac.in/distance/book/bcom/BCOM%20205%20Financial%20Management.pdf
- http://www.fao.org/3/w4343e/w4343e08.htm
- https://corporatefinanceinstitute.com/resources/knowledge/finance/cost-of-capital/
- https://efinancemanagement.com/financial-leverage/capital-structure-and-its-theories
- https://www.incharge.org/financial-literacy/basics-of-bonds-maturity/
- https://cleartax.in/s/valuation-of-shares
- https://cleartax.in/s/capital-budgeting
- https://www.managementstudyguide.com/security-analysis-and-portfolio-management.htm

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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)

- **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

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**

R – Remember ; U – Understand ; Ap – Apply ; An – Analyse; E – Evaluate; C - Create

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B.A. ECONOMICS

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

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.youtube.com/watch?v=78-BlZXm7wA
- 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

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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	Graphic illustration of IS and LM curves	Illustration skills		
2	Discussion: Comparison of Adaptive and Rational Expectation Hypothesis	Participatory learning		
3	To collect data on inflation, employment etc. for different countries and analyse the same.	Analytical skills		

4	To collect data on macroeconomic variables, plotting the data on graph, observe the fluctuations in the data and interpret whether they form cycles or not	Critical Thinking		
5	Discussion on monetary and fiscal policies.	Collaborative learning		

COURSE OUTCOMES:

On completion of the course the student will be able to

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; R- Remember; U- Understand; Ap – Apply; An – Analyse; E- Evaluate; C – Create**

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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

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, NewYork
- 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.economicsdiscussion.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

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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	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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ELECTIVE II - GENERAL STUDIES

COURSE CODE: 21UELE302D	**YEAR/SEMESTER : II/IV**	**MAX MARKS: 100**
COURSE TYPE: THEORY	**CREDITS : 5**	**TOTAL TEACHING HOURS: 75**

GENERAL OBJECTIVE:

To introduce the basic concepts of general studies for competitive exams

COURSE OBJECTIVES (Co):

Co No.	Course Objective
Co1	To understand the fundamental concepts of the Indian Constitution and its working
Co2	To appraise the distribution of natural resources and location of industries
Co3	To explain the key economic concepts, planning and Union budget.
Co4	To describe the different dance forms, musical instruments and architecture in India
Co5	To understand Disaster management and internal security issues in India

Unit 1- Polity

Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of subjects between the Union and the States (15 hours)

Unit 2- Geography

Distribution of key natural resources across the world including the Indian sub-continent; factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world including India. (15 hours)

Unit 3- Economy

National Income – Inflation - Money and Banking - Agriculture in India: cropping pattern, irrigation system, transport and marketing - Union Budget - Planning in India - Economic Reforms - Industrial Policies - Investment models

(15 hours)

Unit 4- Art and Culture

Classical dance forms: Bharathanatyam (Tamil Nadu), Mohiniyattam (Kerala) - Regional dance forms: Garba, Chakyar Koothu, Bihu dance, Musical instruments: Tata Vadya, Sushira Vadya, Avanaddha Vadya, Ghana Vadya - Indian architecture: Indus valley civilization, Temple architecture – UNESCO World Tangible and Intangible Cultural Heritage List of India

(20 hours)

Unit 5- Disaster management and internal security

National Disaster Management Act – Institutional framework of disaster management in India: National Disaster Management Authority, State Disaster Management Authority, District Disaster Management Authority, National Disaster Relief Force, Civic volunteers, National Institute of Disaster Management - Linkages between development and spread of extremism - Terrorism-Role of State and Non-State Actors - Security Challenges and Their Management in Border Areas (10 hours)

TEXT BOOK

1. M. Laxmikanth(2019), Indian Polity, McGraw-Hill
2. Ramesh Singh(2022), Indian Economy, McGraw Hill
3. Majid Husain (2020), Geography of India, 9th edition McGraw Hill
4. Nitin Singhania(2017), Indian Art and Culture, McGraw Hill Education
5. Ashok Kumar and Vipul Anekant (2019), Challenges to Internal Security of India, McGraw-Hill

REFERENCE

1. NCERT Geography, Class XI and XII
2. https://www.rbi.org.in/
3. https://whc.unesco.org/en/statesparties/in
4. https://ndma.gov.in/
5. https://nidm.gov.in/
6. https://www.indiabudget.gov.in/

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	Discussion on fundamental duties	Interactive learning Analytical skills	Competitive exam skills	
2	Map: The distribution of industries in the world and in India		Competitive exam skills	
4	Poster-making: Planning in India	Cooperative Learning Creative thinking	Competitive exam skills	
3	Report on the work of NDMA in a recent disaster	Collaborative Learning Research Skills	Competitive exam skills	

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL
CO 1	Evaluate the working of the Indian Constitution	1	E
CO 2	Analyse the factors responsible for location of industries across the globe	1	An
CO 3	Evaluate the Union budget, inflation rate and industrial policy	1	E
CO 4	Analyse the various forms of dance, musical instruments and architecture in India	1	An

CO 5	Critically analyse the National Disaster Management Act and Internal security mechanism in India	1	E

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

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

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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)

Unit IV – Taxation II

Classification of taxation – effects of taxation on production, distribution and others – incidenceand 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). Breham 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.economicsdiscussion.net/taxes/canons-of-taxation-enunciated-by-adam-smith-discussed/1948
- https://www.economicsdiscussion.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

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B.A. ECONOMICS

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	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 ADDRESED	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)

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.economicsdiscussion.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: Trade policy	Critical thinking skills Presentation skills		
2	Data collection: World Trade Patterns		Research skills	
3	Article review: Trade policy	Research Skills		
4	Class seminars: Trade policy	Presentation Skills		
5	Think-Pair-Share: Trends in Rate of exchanges in India		Strategic thinking and research skills	
6	Group Discussion: Trade policy	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 ADDRESED	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)

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

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- https://www.economicsdiscussion.net/banks/central-bank-and-its-functions/4165
- https://www.rbi.org.in/

ACTIVITY PLANNER

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1	Group Activity Create a Bank Poster	Data Collection, Presentation Skills		
2	Discussion on money market	Speaking 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 ADDRESED	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

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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/SEM:III/V**	**MAX. MARKS:THEORY 80, PRACTICAL 20**
COURSE TYPE: THEORY	**CREDITS: 4**	**TOTAL TEACHING HOURS:60 THEORY: 45 PRACTICAL: 15**

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

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

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- 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

ACTIVITY PLANNER

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

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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

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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

EVALUATION

Evaluation pattern	Criteria	Duration (Hours)	No. of Questions	Marks	Total
Continuous Assessment	Internal Assessment - I	1 1/2	2/4	25	50
	Internal Assessment - II	1 1/2	2/4	25	50
					100 (Brought down to 10 marks)
External	End Semester Examination	3	2/4	50	100 (Brought down to 10 marks

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ELECTIVE III - ENVIRONMENTAL ECONOMICS AND SUSTAINABLE DEVELOMENT

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 andjustice- 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)

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

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- 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/

ACTIVITY PLANNER

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

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1	Debate on Environment vs Economy	Critical thinking, Participatory learning		
2	Group assignment: "Problems and Solutions"	Cooperative learning		
3	Literature review on Kuznets hypothesis	Research skills		
4	MCQ quiz on International Conventions		Competitive exam skills	
5	Group assignment on SDG	Research skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESED	COGNITIVE LEVEL
CO 1	Outline the theoretical principles of environmental economics	1	U, An
CO 2	Critically analyse and reflect on the implications of the operation of the market	2	An

	mechanism in relation to the environment		
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 environmentalsustainability 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)

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.economicsdiscussion.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%2C%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.drishtiias.com/daily-updates/daily-news-editorials/another-look-at-fiscal-transfers

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1	Analysing statistics: Current debt levels in India		Research Skills	
2	Debate on 'Deficit Financing in India'	Communication Skills		
3	Assignment on 'Union Budget and its relevance to theories'	Critical thinking skills	Competitive exam	
4	GroupDiscussion on 'India's Fiscal Reforms'	Collaborative learning	Competitive exam	
5	Discussion on 'Tax evasion and its impact on the economy'	Analytical skills		

COURSE OUTCOMES:

On completion of the course the student will be able to

CO No.	COURSE OUTCOME	PSOs ADDRESED	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

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

Question Paper Pattern

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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 – 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.economicsdiscussion.net/economics-2/economic-ideas-of-thiruvalluvar/21138
- https://www.econlib.org/library/Enc/Mercantilism.html
- https://www.economicsdiscussion.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

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- https://www.gutenberg.org/ebooks/3300 (An Inquiry into the Nature and Causes of the Wealth of Nations by Adam Smith)

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	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 ADDRESED	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 19th and 20th centuries.	3	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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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)

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.economicsdiscussion.net/economic-growth/theories-of-economic-growth-discussed/4203

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- 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
(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	Open forum Discussion: Economic growth vs. development vs. progress and economic welfare	Collaborative Learning		
2	Class seminar: Economic growth vs. development vs. progress and economic welfare	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 ADDRESED	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

***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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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 – 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

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- 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

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		
3	Group work on interpreting regression results	Collaborative learning, Presentation skills		
4	Problems on Cobb-Douglas production function	Critical Thinking		
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 ADDRESED	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: 19UMIP301	CREDITS: 4	YEAR/SEM:III/VI	MAX. MARKS: 100

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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