



LINGAYA'S VIDYAPEETH
Nachuali, Jasana Road, Faridabad

SCHOOL OF COMMERCE & MANAGEMENT STUDIES
COURSE CURRICULUM

BA Economics (H) 2021-2024

Programme Outcomes (PO)

PO1. Knowledge: To be equipped with basic economic skills

PO2. Skills: To enhance the linguistic and numerical skills, logical reasoning and critical analysis.

PO3. Attitude: An open and broader outlook towards diverse issues related to economics.

PO4. Values: Civic consciousness, compassion to fellow human beings.

PO5. Behaviour: With the completion of this course, students are inculcated with the habit of discipline and hard work.

Program Specific Outcome (PSO)

PSO1: Remember the concept of economic principles and policies.

PSO2: Understand the essentials of empirical estimation.

PSO3: Apply the required quantitative skills to economic problems for effective decision making.

PSO4: Demonstrate critical thinking skills in understanding fiscal issues and problems related to social welfare, justice and equity.

LINGAYA'S VIDYAPEETH
Session 20210 - 2024

School: School of Commerce and Management									Batch: 2021-24				
Department: School of Commerce and Management									Year: 1				
Course: BA Economics									Semester: I				
S N	Ca te- go ry	Cou rse Co de	Course Name	Periods			Credi ts	Evaluation Scheme					Subj ect Total Mar ks
								Theory			Practic al		
				L	T	P		A B Q	M SE	E S E	I P	E X P	
1	PCC	BEC-101	Principles of microeconomics-I	4	-	-	4	15	25	60	-	-	100
2	PCC	BEC-103	Indian Economics-I	4	-	-	4	15	25	60	-	-	100
3	PCC	BEC-105	Principles of macroeconomics-I	4	-	-	4	15	25	60	-	-	100
4	SEC	BS-115	Mathematical Methods for economics-I	4	-	-	4	15	25	60	-	-	100
5	AEC C	HSS-107	English & Communication skills	3	-	-	3	15	25	60	-	-	100
			Total	19	-	-	19						

Abbreviations:

PCC:	Programme Core Courses	ABQ:	Assignment Based Quiz
SEC:	Skill Enhancement Courses	MSE:	Mid Semester Examination
BS:	Basic Science	ESE:	End Semester Examination

AEC C:	Ability Enhancement Compulsory Course	IP:	Internal Practical
L:	Lecture	EXP:	External Practical
T:	Tutorial	HSS:	Humanities & Social Science
P:	Practical	BEC:	BA. Economics

School: School of Commerce & Management								Batch: 2021-24					
Department: School of Commerce and Management								Year: 1					
Course: BA Economics								Semester: II					
S N	Cat e- go ry	Cour se Cod e	Course Name	Periods			Credi ts	Evaluation Scheme					Subj ect Total Mark s
								Theory			Practic al		
				L	T	P		A B Q	M SE	E S E	I P	E X P	
1	PCC	BEC-102	Principles of Microeconomics -II	4	-	-	4	15	25	60	-	-	100
2	PCC	BEC-104	Public Economics-I	4	-	-	4	15	25	60	-	-	100
3	PCC	BEC-106	Principles of Macroeconomics-II	4	-	-	4	15	25	60	-	-	100
4	PCC	BEC-108	Environmental Economics	4	-	-	4	15	25	60	-	-	100
5	SEC	CE-108	Environmental Science and Ecology	2	-	-	2	15	25	60	-	-	100
6	SCC	BS-112	Mathematical Methods for Economics-II	4	-	-	4	15	25	60	-	-	100
			Total >	22	-	-	22						



'Abbreviations:

PCC:	Programme Core Courses	ABQ:	Assignment Based Quiz
AEC C:	Ability Enhancement compulsory course	MSE:	Mid Semester Examination
SEC:	Skill Enhancement Course	ESE:	End Semester Examination
L:	Lecture	IP:	Internal Practical
T:	Tutorial	EXP:	External Practical
P:	Practical		

School: School of Commerce & Management								Batch: 2021-24					
Department: School of Commerce and Management								Year: 2					
Course: BA Economics								Semester: III					
S N	Cat e- go ry	Cour se Cod e	Course Name	Periods			Credi ts	Evaluation Scheme					Subj ect Total Mark s
								Theory			Practic al		
				L	T	P		A B Q	M SE	E S E	I P	E X P	
1	PC C	BEC- 201	Intermediate Microeconomic s-I	4	-	-	4	15	25	6 0	-	-	1 0 0
2	PC C	BEC- 203	Intermediate Macroeconomic s-I	4	-	-	4	15	25	6 0	-	-	1 0 0
3	PC C	BEC- 205	Economic History of India 1857- 1947	4	-	-	4	15	25	6 0	-	-	1 0 0
4	PC C	BEC- 207	Economic Analysis & Policies	4			4	15	25	6 0	-	-	1 0 0
6	SEC	BS-201	Statistical Methods of Economics	4	-	-	4	15	25	60	-	-	100
5	SE C	CS-213	Computer Application for Business	3	-	-	3	15	25	6 0	-	-	1 0 0
			Total >	2 3	-	-	23						

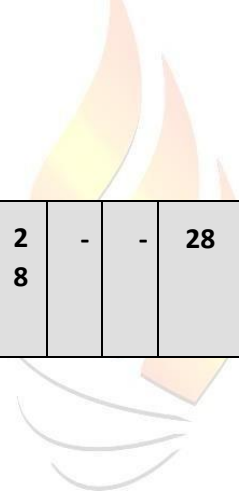


Abbreviations:

Abbreviations:

PCC:	Programme Core Courses	ABQ:	Assignment Based Quiz
SEC:	Skill Enhancement course	MSE:	Mid Semester Examination
BS:	Basic Science	ESE:	End Semester Examination
CS:	Computer Science	IP:	Internal Practical
L:	Lecture	EXP:	External Practical
T:	Tutorial		
P:	Practical		

School: School of Commerce & Management									Batch: 2021-24				
Department: School of Commerce and Management									Year: 2				
Course: BA Economics									Semester: IV				
S N	Cat e- go ry	Cour se Cod e	Course Name	Periods			Credi ts	Evaluation Scheme					Subj ect Total Mark s
								Theory			Practic al		
				L	T	P		A B Q	M SE	E S E	I P	E X P	
1	PC C	BEC- 202	Intermediate Microeconomic s-II	4	-	-	4	15	25	6 0	-	-	1 0 0
2	PC C	BEC- 204	Intermediate Macroeconomic s-II	4	-	-	4	15	25	6 0	-	-	1 0 0
3	PC C	BEC- 206	India and World Economy	4	-	-	4	15	25	6 0	-	-	1 0 0
4	PC C	BEC- 208	Introductor y Econometri cs	4	-	-	4	15	25	6 0	-	-	1 0 0
5	GE	BEC- 210	E-Commerce	4	-	-	4	15	25	6 0	-	-	1 0 0
6	PC C	BEC- 212	History of economic thought	4	-	-	4	15	25	6 0	-	-	1 0 0
7	PC C	MG- 206	Research Methodology	4	-	-	4	15	25	6 0	-	-	1 0 0



			Total	2	-	-	28						
			>	8									

Abbreviations:

Abbreviations:

PCC:	Programme Core Courses	ABQ:	Assignment Based Quiz
BEC:	BA Economics	MSE:	Mid Semester Examination
MG:	Management	ESE:	End Semester Examination
L:	Lecture	IP:	Internal Practical
T:	Tutorial	EXP:	External Practical
P:	Practical	SEC:	Skill Enhancement Course

School: School of Commerce & Management								Batch: 2021-24					
Department: School of Commerce and Management								Year: 3					
Course: BA Economics								Semester: V					
S N	Cat e- go ry	Cour se Cod e	Course Name	Periods			Credi ts	Evaluation Scheme					Subj ect Total Mark s
								Theory			Practic al		
				L	T	P		A B Q	M SE	E S E	I P	E X P	
1	PC C	BEC-301	Rural Development	4	-	-	4	15	25	60	-	-	100
2	PC C	BEC-303	Developme nt Economics-I	4	-	-	4	15	25	60	-	-	100
3	PC C	BEC-305	Money & Banking	4	-	-	4	15	25	60	-	-	100
4	PC C	BEC-307	Political Economy	4	-	-	4	15	25	60	-	-	100
5	GE	BEC-309	Economics of Health and Education	4	-	-	4	15	25	60	-	-	100
6	PC C	BEC-311	Public Economics-II	4	-	-	4	15	25	60	-	-	100
			Total	24	-	-	24						
			>										

Abbreviations:

Abbreviations:

PCC:	Programme Core Courses	ABQ:	Assignment Based Quiz
BEC:	BA. Economics	MSE:	Mid Semester Examination
SEC:	Skill Enhancement Course	ESE:	End Semester Examination
L:	Lecture	IP:	Internal Practical
T:	Tutorial	EXP:	External Practical
P:	Practical		

School: School of Commerce & Management								Batch: 2021-24					
Department: School of Commerce and Management								Year: 3					
Course: BA Economics								Semester: VI					
S N	Cat e- go ry	Cour se Cod e	Course Name	Periods			Credi ts	Evaluation Scheme					Subj ect Total Mark s
								Theory			Practic al		
				L	T	P		A B Q	M SE	E S E	I P	E X P	
1	PC C	BEC- 302	Financial Economics	4	-	-	4	15	25	6 0	-	-	1 0 0
2	PC C	BEC- 304	Developme nt Economics- II	4	-	-	4	15	25	6 0	-	-	1 0 0
3	PC C	BEC- 306	Internatio nal Economics	4	-	-	4	15	25	6 0	-	-	1 0 0
4	PC C	BEC- 308	Agricultu re Economi cs	4	-	-	4	15	25	6 0	-	-	1 0 0
5	PC C	BEC- 310	Corporat e Governan ce	4	-	-	4	15	25	6 0	-	-	1 0 0
6	PR OJ	BEC- 352	Project & Presentation	-	-	1 2	06				-	1 0 0	1 0 0
			Total >	2 0	-		26						



Abbreviations:

Abbreviations:

PCC:	Programme Core Courses	ABQ:	Assignment Based Quiz
BEC:	BA Economics	MSE:	Mid Semester Examination
PRO J:	Project	ESE:	End Semester Examination
L:	Lecture	IP:	Internal Practical
T:	Tutorial	EXP:	External Practical
P:	Practical		

Total credits of BA ECONOMICS	142
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BA- Economics

Semester- I



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Principles of Microeconomics-I

Code: BEC 101

Course Objective

This course intends to expose the students to the basic principles in Microeconomics and their applications. The course will illustrate how microeconomic concepts can be applied to analyze real-life economic situations.

Course Learning Outcomes

The students learn some basic principles of microeconomics and interactions of supply and demand, characteristics of perfect competition, efficiency and welfare.

Unit I Introduction

Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems.

Demand and supply: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand, law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market equilibrium. Applications of demand and supply: price rationing, price floors, consumer surplus, producer surplus. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities

Unit II Consumer Theory

Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint.

Unit III Production and Costs

Production: behaviour of profit maximising firms, production process, production functions, law of variable proportions, choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition

Costs: costs in the short run, costs in the long run, revenue and profit maximization, minimizing losses, short run industry supply curve, economies and diseconomies of scale, long run adjustments

Unit IV Perfect Competition

Assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries. Welfare: allocative efficiency under perfect competition.

References

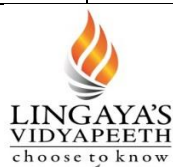
1. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw-Hill.
2. Case, K., Fair, R. (2007). Principles of economics, 8th ed. Pearson Education.
3. Mankiw, N. (2007). Economics: Principles and applications, 4th ed. South Western.

CO1	Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output.
CO2	Determine the roles that prices and markets play in organizing and directing economic activity.
CO3	Calculate and graph the short-run and long-run costs of production, supply and demand elasticity's.
CO4	Describe governmental efforts to address market failure such as monopoly power, externalities, and public goods.
CO5	Examine and interpret a nation's economic performance indicators such as economic growth, unemployment and inflation from a macroeconomic perspective.
CO6	Articulate the mechanics and institutions of international trade and their impact on the macro economy.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
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CO1	Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output.	1	3	2	2	1
CO2	Determine the roles that prices and markets play in organizing and directing economic activity.	1	3	1	1	1
CO3	Calculate and graph the short-run and long-run costs of production, supply and demand elasticity's.	1	3	1	1	2
CO4	Describe governmental efforts to address market failure such as monopoly power, externalities, and public goods.	1	3	1	1	1
CO5	Examine and interpret a nation's economic performance indicators such as economic growth, unemployment and inflation from a macroeconomic perspective.	1	3	2	2	1
CO6	Articulate the mechanics and institutions of international trade and their impact on the macro economy.	1	3	2	2	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Indian Economy

Code: BEC 103

Course Objective

This course exposes students to some of the key ideas and concepts in the areas of growth and structural change, poverty, education, health, gender, industry, services and international trade.

Course Learning Outcomes

Students will develop a critical understanding of the contemporary issues in the Indian economy. Students will thus be better prepared to face the professional world and can use this knowledge base in a variety of jobs, including in the corporate, civil service, and NGO sectors.

Unit I: Structure of the Indian economy:

Concepts of Development, Underdevelopment – Basic Features of Indian Economy: Growth and Structural Changes in Indian Economy – Demographic Features – Population: Size, Growth, Composition and their Implications on Indian Economy – Concept of Demographic Dividend –Occupational Distribution of Population in India – Population Policy of India.

Unit II: Indian Agriculture:

Importance and Role of Agriculture in Indian Economy – Trends in Agricultural Production and Productivity – Land Reforms – Green Revolution – Agricultural Finance – Agricultural Marketing – Agricultural Pricing – Food Security in India. Structure, Growth, Importance and Problems of Indian Industry – Large, Medium and Small Scale Industries: Role and Problems – Industrial Policies of 1948, 1956 and 1991 – FEMA and Competition Commission of India – Disinvestment Policy – Foreign Direct Investment.

Unit III: Indian Industry and Services:

Role and importance of industrialization, Trends in Industrial production and Services. Industrial

Policy Resolutions: 1948, 1956, 1977, 1991 the Role of Public and Private Sectors. Formal and

Informal Sectors in Industry and Services

Unit IV: Planning in India:

Five-Year Plans: Objectives, Strategies, Resource Allocation, Targets and Achievements.

Evaluation of performance of the Indian economy under Planning. New Economic Reforms and Implications. Globalization in India.

Unit V: National Income, Poverty and Unemployment:

Estimation of National Income – Trends and Composition of National Income in India –

Income Inequalities in India: Magnitude, Causes, Consequences and Remedial Measures –

Poverty in India: Concept, Types, Causes and Consequences – Unemployment in India:

Concept, Types, Trends, Causes and Consequences – Poverty Alleviation and Employment Generation Programmes in India.

CO's

CO1	Students will be able to define natural and man-made things.
CO2	Students will be able to differentiate in Sexual and Asexual reproduction.
CO3	Students will be able to define MKS & SI unit.
CO4	Students will be able to understand the different types of motion and force.
CO5	Students will be able to understand states of matter

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
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CO1	Students will be able to define natural and man-made things.	2	2	2	2	1
CO2	Students will be able to differentiate in Sexual and Asexual reproduction.	2	1	1	2	2
CO3	Students will be able to define MKS & SI unit.	1	2	2	2	1
CO4	Students will be able to understand the different types of motion and force.	2	1	2	1	2
CO5	Students will be able to understand states of matter	2	1	2	1	2

Books recommended:

- Jean Dreze and Amartya Sen, Jean Dreze and Amartya Sen, 2013. *An Uncertain Glory: India and its Contradictions*, Princeton University Press.
 - Pulapre Balakrishnan, 2007, The Recovery of India: Economic Growth in the Nehru Era, *Economic and Political Weekly*, November.
 - Rakesh Mohan, 2008, —Growth Record of Indian Economy: 1950-2008. A Story of Sustained Savings and Investment, *Economic and Political Weekly*, May.
 - S.L. Shetty, 2007, —India's Savings Performance since the Advent of Planning, in K.L. Krishna and A. Vaidyanathan, editors, *Institutions and Markets in India's Development*.
 - Himanshu, 2010, Towards New Poverty Lines for India, *Economic and Political Weekly*, January.
- Jean Dreze and Angus Deaton, 2009, Food and Nutrition in India: Facts and Interpretations, *Economic and*

Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Principles of macroeconomics-I

Code: BEC 105



Course Objective

This course introduces students to the basic concepts in Macroeconomics. Macroeconomics deals with the aggregate economy. In this course the students are introduced to the definition, measurement of the macroeconomic variables like GDP, consumption, savings, investment and balance of payments. The course also discusses various theories of determining GDP in the short run.

Course Outcomes

This course is useful for understanding various real economic issues and evaluating policy outcomes.

Unit I

Introduction: What is macroeconomics? Macroeconomic issues in an economy

Unit II

National income accounting: Concepts of GDP and National Income; measurement of national income and related aggregates; nominal and real income; limitations of the GDP concept

Unit III

Determination of GDP: Actual and potential GDP; aggregate expenditure; consumption function; investment function; equilibrium GDP; concepts of MPS, APS, MPC, APC; autonomous expenditure; Concept of multiplier

Unit IV

National income determination in an open economy with government: Fiscal Policy: impact of changes in government expenditure and taxes; net exports function; net exports and equilibrium national income.

Unit V

Money in a Modern Economy: Concept of money in a modern economy; monetary aggregates; demand for money; quantity theory of money; liquidity preference and rate of interest; money supply and credit creation; monetary policy

References

1. Abel, A., Bernanke, B. (2016). Macroeconomics, 9th ed. Pearson Education.
2. Blanchard, O. (2018). Macroeconomics, 7th ed. Pearson Education.
3. Dornbusch, R., Fischer, S., Startz, R. (2018). Macroeconomics, 12th ed. McGraw-Hill.
4. D'Souza, E. (2009). Macroeconomics. Pearson Education.
5. Froyen, R. (2005). Macroeconomics, 2nd ed. Pearson Education.
6. Mankiw, N. (2016). Macroeconomics, 9th ed. Worth Publishers.

CO's

CO1	Understand fundamental concepts of Macroeconomics
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CO2	Build on the understanding of basic macroeconomic identity
CO3	Understand how interest rate and income level are determined in an economy and how policies may affect these outcomes
CO4	Demonstrate their knowledge of macroeconomic concepts and theories by their application to the real world issues

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Understand fundamental concepts of Macroeconomics	2	1	1	1	1
CO2	Build on the understanding of basic macroeconomic identity	2	1	1	1	1
CO3	Understand how interest rate and income level are determined in an economy and how policies may affect these outcomes	2	1	2	1	1
CO4	Demonstrate their knowledge of macroeconomic concepts and theories by their application to the real world issues	2	1	2	1	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Mathematical Methods for economics-I

Code: BS 115

Course Objective: The aim of this paper is to make the student acquaint with the understanding of basic mathematical techniques required in the study of economics theory.

Unit - I: Preliminaries

Logic - Truth tables -- Tautologies and predicate logic Sets and its operations Convex sets and its properties - Relations - Functions Number systems Basic graph theory

Unit - II: Sequences, Series and Limits

Sequences and their limits Monotone sequences Limit theorems Properly divergent sequences--Introduction to infinite series Limits of functions Differentiability of functions Uniform continuity Monotone and inverse functions

Unit - III: Real Linear Algebra - I

Vector spaces -- Sub-spaces - Linear dependence- Introduction to matrices and properties - Matrices representation and operations ... Solution to linear equations and inequalities – Linear mappings-Orthogonality

Unit - IV: Real Linear Algebra - II

Determinants and economic application Eigenvalues and eigenvectors· Economic applications- Definiteness of matrices - Leontief system Input-output model and other applications

Recommended Readings:

Mukherjee, A. & Subrata, G. (2010). Mathematical Methods and Economic Theory. Oxford University

Press: New Delhi.

Sherbert, D. R., & Bartle, R.G.(2014). Introduction to Real Analysis (4th ed.) Wiley.

Strang, G.(2007). Linear Algebra and Its Applications (4th ed.). Cengage Learning

Axler, S. (2014). Linear Algebra Done Right (3rd ed.). Springer Nature

Simon, C. P., & Blume, L. (2010). Mathematics [or Economists, Vi va Books: New Delhi.

(only for the leontief system, input-output model and other applications)

CO's

1. Students should be able to evaluate the quantitative aspects of the economic theories.

2. Students should be able to apply the wider range of mathematical applications in different economic conditions.

3. Students are able to empirically investigate the assumption and conclusion of theories with more mathematical base.

4. Students are able to understand the different models of mathematical economics.

5. Students are able to understand algebra.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students should be able to evaluate the quantitative aspects of the economic theories.	3	3	3	2	3
CO2	Students should be able to apply the wider range of mathematical applications in different economic conditions.	3	3	2	1	2
CO3	Students are able to empirically investigate the assumption and conclusion of theories with more mathematical base.	3	3	2	2	3
CO4	Students are able to understand the different models of mathematical economics	3	2	3	3	2
CO5	Students are able to understand algebra.	3	2	3	3	3



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: English & Communication skills

Code: HSS 107

Course Outcomes

UNIT I : Introduction to Communication

- Definition, Process, principles and types
- Forms & Grapevine
- Barriers & Noise

UNIT II : Language Know-how

- Common Errors
- Learning through examples
- Functional Grammar & Contemporary Usage

UNIT III : Paragraph Development Techniques

- Principles & Methods
- Instruments for cohesive Writing
- Creating mind maps/Infographic

UNIT IV :Writing Skills

- Introduction to writing skills
- Tone, orientation, Attitude, formal Vs Informal, general, writing, technical writing
- Letter/Application/e-mail, format and content
- Indianisms in email writing
- Writing for the web: Do's & Don'ts of email writing, Netiquette.

UNIT V : Making effective presentation

- Designing effective visuals
- Engaging the audience
- Do's & Don'ts of Presentation
- Body language
- Presenting in groups

SUGGESTED READINGS

- Prasad, V., "Advanced Communication Skills", Atma Ram Publications, New Delhi.
- Madhukar, R., K., "Business Communication", Vikas Publishing House Pvt. Ltd.
- Cloud Computing-2014 written by authors of Indian English
- Lesikar, (2009), Business Communication: Making Connections in a Digital World, McGraw Hill Education.
- McGraw, S. J., (2008) Basic Managerial Skills for AI, 8th edition, Prentice Hall of India.
- Wren & Martin, (2008), English Grammar and Composition, Sultan Chand & Sons
- Pal Rajendra, Korlaha, Hi, J, S., "Essentials of Business Communication", Sultan Chand & Sons
- Rutherford, Andrea, J., "Basic Communication Skills for Technology", Pearson Education Asia

CO's

1. Student's are able to understand writing skills.
2. Student's are able to know about communication skills.
3. Student's are able to implement this in the real world.
4. Student's are able to improve presentation skills.
5. Student's are able to implement the knowledge.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Student's are able to understand writing skills.	1	1	1	1	1
CO2	Student's are able to know about communication skills.	2	1	1	1	1
CO3	Student's are able to implement this in the real world.	1	1	1	1	1
CO4	Student's are able to improve presentation skills.	1	1	1	1	1
CO5	Student's are able to implement the knowledge.	1	1	1	1	1

Books for Study: 1. S.P.Gupta, Statistical Methods, Sultan Chand and Sons, New Delhi, Reprinted, 2015. 2. R.S.N.Pillai and Bagawathi, Statistics, S.Chand and Co, New Delhi, 2015.

Books for References: 1. S.C.Gupta, Fundamentals of Statistics, Himalaya Publishing House, New Delhi, 2016. 2. D.P. Elhance, Statistical Methods, Kitab Mahal, Agra, 2012.

BA- Economics

Semester - II



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Principal of Microeconomics-II

Code: BEC 102

Course Objective

Unit 1

Managerial Theories of the Firm: Baumol's Sales Revenue Maximization Model; Williamson's Model of Managerial Discretion, Marris' Model of Managerial Enterprise; Full cost pricing; Bain's Limit Pricing Theory; Recent Developments in Limit Pricing Theory: Sylos-Labini's Model, Franco Modigliani's Model, Bhagwati's Model; Behavioristic Model of Cyert and March

Unit 2

Theories of Distribution: Marginal productivity theory; Euler's product Exhaustion theorem; Elasticity of Technical substitution, Theories of Distribution in Perfect and Imperfect Factor Markets: Determination of Rent, Wages, Interest and Profits; Application of Macro Theories of Distribution: Ricardo, Marxian, Samuelson, Kalecki, and Kaldor

Unit 3

Economics of Uncertainty: Individual Behaviour towards risk, expected utility and certainty - Risk and Risk Aversion - competitive firms under uncertainty - Factor demand under price uncertainty - Economics of Information - Search for New Market models.

Unit 4

General Equilibrium: Walrasian General Equilibrium - Partial Equilibrium – 2X2X2 Relationship between relative commodity and factor prices (Stopler - Samuelson Theorem) Relationship between output mix and real factor prices, effect of changes in factor supply in closed Economy (Rybczynski theorem) Factor supply in open Economy (outsourcing) in production and consumption.

Unit 5

Welfare Economics: Pigouvian Welfare Economics; Cardinalist, Kaldor - Hicks Compensation Criteria, Pareto Optimality, Social Welfare Function; Inability to obtain Optimum Welfare - Imperfections, Market Failure, Arrow's Theory of Social Choice.

CO's

CO1	examine the recent changes in the alternative theories of firms..
CO2	compare the Micro and Macro theories of distribution
CO3	assess the theory of risk and uncertainty on risk aversion in the market.
CO4	compare the working of partial equilibrium and general equilibrium approach in an economy.
CO5	show the fundamentals of welfare economics and to identify the inability to obtain the optimum welfare in a country.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	examine the recent changes in the alternative theories of firms..	3	3	3	1	1
CO2	compare the Micro and Macro theories of distribution	3	3	2	1	1
CO3	assess the theory of risk and uncertainty on risk aversion in the market.	3	3	2	1	1
CO4	compare the working of partial equilibrium and general equilibrium approach in an economy.	3	3	2	1	1
CO5	show the fundamentals of welfare economics and to identify the inability to obtain the optimum welfare in a country.	3	3	2	1	1

Books for Study

1. Koutsoyiannis A. (1987) Modern Microeconomics, Macmillan Press, London.
2. Ahuja H.L. (2009) - Advanced Economic Theory Microeconomic Analysis, S.Chand, New Delhi.

Books for Reference

1. Da Costa., G.C., (1980) Production, Prices and Distribution, Tata McGraw Hill New Delhi.
2. Hirshleifer, J and Glazer A, (1997) Price Theory and Applications. Prentice Hall of India, New Delhi.
3. Kennedy, Maria John M., (1999) Advanced Micro Economic Theory, Himalaya, Publishing House, New Delhi.
4. Stigler, G., (1996) Theory of Price, Prentice Hall of India, New Delhi.
5. Salvatore, Dominic (1991), Micro Economic Theory, McGraw Hill, New Delhi.
6. Shepherd, R.W. (1970) Theory of Cost and Production Functions, Princeton Univ. Press, N.J.



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Public Economics-I

Code: BEC- 104

COURSE OBJECTIVES:

This course has been designed to impart the students about the knowledge of public economics.

Unit 1

Government and the Economy: Major economic functions of the economy: Allocation function, Distribution function, Stabilization function – Private Goods, Public goods and Merit goods – Market Failure – Externalities- Informational Asymmetry – Theory of Second Best: Private and public mechanism for allocating resources, Problems in allocation of resources, Problems of Preference revelation and aggregation of preferences, Voting Systems, Arrows Impossibility Theorem

Unit 2

Public Revenue & Public Expenditure: Concepts: Public Revenue – Sources - Benefit theory and Ability to pay approaches - Theory of optimal taxation; Excess burden of taxes; Trade - off between equity and efficiency. Theory of incidence; Alternative concepts of incidence - Allocative and equity aspects - Public Expenditure: Wagner's law of increasing state activities; Wiseman – Peacock - hypothesis; Pure theory of public expenditure; Structure and growth of public expenditure; Social Cost -benefit Analysis.

Unit 3

Public Debt, Budget and Fiscal Policy: Classical view of public debt- Compensatory aspect of debt policy - Burden of public debt - Sources of public debt; Public borrowings and price level; Crowding out of private investment and activity - Principles of debt management and repayment - Fiscal policy: objectives of fiscal policy - Interdependence of fiscal and monetary policies - concepts of Budget - Budgetary deficits and its implications; Fiscal policy for stabilization - automatic vs. discretionary stabilization.

Unit 4

Fiscal Federalism: Meaning and Importance of Federal Finance-Principles of multi-unit finance; Fiscal federalism in India; Vertical and horizontal imbalance- Functions of Finance Commission Assignment of functions and sources of revenue, Constitutional provisions- Recent Finance Commission, Resources transfer from Union to States and Local bodies - Criteria for transfer of Resources; Centre-state financial relations in India – Local Finances: Functions and Revenues

Unit 5

Indian Public Finance: Indian tax system; Revenue of the Union, States and Local bodies; Major taxes in India: base of taxes, direct and indirect taxes, Reforms in direct and indirect taxes, taxes on services - GST; Non-tax revenue of Centre, State and Local bodies; Trends in Public expenditure and public debt; Fiscal crisis and fiscal sector reforms in India.

CO's

CO	Attributes
CO1	recall the role and functions of the government in a modern Economy
CO2	discuss the concept of market failure and its remedial measures.
CO3	analyse the concepts and theories of Public Economics
CO4	evaluate the financial relations between Centre, state and local Governments.
CO5	design mock budget.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	recall the role and functions of the government in a modern Economy	3	2	3	2	2
CO2	discuss the concept of market failure and its remedial measures.	3	3	2	2	1
CO3	analyse the concepts and theories of Public Economics	3	2	2	1	1
CO4	evaluate the financial relations between Centre, state and local Governments.	3	3	2	2	3
CO5	design mock budget.	3	3	2	1	2

Books for Study

1. Singh S.K. (2014). Public Finance Theory and Practice, S.Chand& Co. Ltd, New Delhi.

2. Tyagi. B.P. (2012) Public Finance, Jai PrakashNath, Meerat.

Books for Reference

1. Reports of various finance commission.
2. Dr.M.Maria John Kennedy (2012), Public Finance, PHI Learning Pvt. Ltd.
3. Jha.R (1998), Modern Public Economics, Routledge, London
4. Musgrave. R A and P.B. Musgrave (1976). Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
5. Spulber, N (1998) Redefining the State, Cambridge University Press, Cambridge.
6. Buchanan, J.M. (1968) The Demand and Supply of Public Goods, R and McNally, Chicago.
7. Peacock. A. and D.J. Robertson (Editors) (1963), Public Expenditure: Appraisal and Control 8. Gulati, I.S. (1979). Centre State Financial Relations: An Assessment of the Role of Finance Commission, M.S. University of Baroda, Baroda



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Principal of Macroeconomics-II

Code: BEC- 106

COURSE OBJECTIVES:

- Enable the students understand the basic theoretical framework and policy making issues in macro economics.
- Enrich their knowledge regarding causes, effects and control of cyclical fluctuations.

Unit 1

Theories of Acceleration: Principle of Acceleration – Multiplier – Accelerator Interaction – Theories of Acceleration: Kaldor's Model of Trade Cycle, Hicks' Theory of Trade Cycle and Samuelson's Model of Trade Cycle.

Unit 2

Theories of Trade Cycle: Phases of Trade Cycle, Features of Trade Cycle – Monetary Theories of Trade Cycle: Over Investment Theory and Hawtrey's Monetary Theory – Non-Monetary Theories of Trade Cycle: Sunspot Theory, Psychological Theory, Overinvestment Theory, Over Saving or Under Consumption Theory, Keynes' Theory of Trade Cycle and Schumpeter's Innovation Theory – Control of Trade Cycle.

Unit 3

Post Keynesian Macro Economic Analysis: General Equilibrium of Monetary and Real Sectors: Elementary Analysis in terms of ISLM Curves, Shifts in General Equilibrium – Elasticity of IS-LM, Effects of Monetary and Fiscal Policy and IS-LM Function.

Unit 4

Inflation and Deflation: Theories of Inflation, Inflationary Gap, Cost-Push and Demand-Pull Inflation, Stagflation, Phillips Curve – Effects and Control of Inflation – Deflation – Causes, Consequences and Control of Deflation – Inflation and Deflation Compared.

Unit 5

Macro Economic Techniques and Instruments: Macro Economic Policy: Objectives, Conflicts between Objectives – Monetary Policy: Instruments and Effectiveness – Fiscal Policy: Objectives and Role – Policy Mix – Supply Side Economics.

CO's

CO1	Understand the theories of accelerator.
CO2	Identify and analyze the phases of trade cycle and the problems caused by the cyclical fluctuations
CO3	Compare and contrast the definition of inflation and deflation and explain the causes, effect and control of inflation and deflation.
CO4	Analyze the simultaneous equilibrium in good market and money market with the help of IS and LM curves.
CO5	Exemplify the macroeconomic problems and provide potential policy solutions with the help of monetary and fiscal policies.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Understand the theories of accelerator.	3	2	3	2	2
CO2	Identify and analyze the phases of trade cycle and the problems caused by the cyclical fluctuations	3	1	1	1	1
CO3	Compare and contrast the definition of inflation and deflation and explain the causes, effect and control of inflation and deflation.	3	2	2	1	1
CO4	Analyze the simultaneous equilibrium in	2	3	2	2	3

	good market and money market with the help of IS and LM curves.					
CO5	Exemplify the macroeconomic problems and provide potential policy solutions with the help of monetary and fiscal policies.	3	3	2	1	1

Book for Study: Dr. R.Cauvery et al – Macro Economics – S.Chand & Company Ltd., New Delhi, 2002.

Books for Reference: M.L.Jhingan – Macro Economic Theory – Vrinda Publications Ltd., New Delhi, 2010. M.I.Seth – Macro Economics Lakshmi Narain Publications, New Delhi, 2007. T.N.Hajela – Macroeconomic Theory – Ane Books Pvt. Ltd., New Delhi, 2013. M.C.Vaish - Macro Economic Theory – Vikas Publishing House Pvt. Ltd., New Delhi, 2013.



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Environmental Economics

Code: BEC- 108

COURSE OBJECTIVES: Course objective is to help students envision sustainable development ideas environment quality degradation and negative externalities owing to rapid industrialization are issues in hand. Climate change, deforestation and unsustainable use of resources are issues that have been drawing attention in the development agenda. An understanding of the interactions

between the environment and economics is essential to formulate strategies for sustainable development, framing suitable policies to tackle environment issues.

Unit 1

A Holistic Approach towards Sustainable Economic Development: Environment and the Economy. Equilibrium Approach – Humankind needs and nature relationship – Population size – Issues – Environment problems – Technology – Production needs – Consumption needs – Depletion of natural resources – Overexploitation of resources and scarcity – Issues of pollution – Externalities and Market Failure

Unit 2

Understanding Linkages between Environment and Economics I MA ECONOMICS CORE: ENVIRONMENTAL ECONOMICS Semester: II Credits: 4 Hours: 5 Page 25 of 86 Material Balance Model – Law of Thermodynamics and Entropy – Welfare Economics – Efficiency and Competitive markets – Environment as a public good and Externality – Pigou and Coase Theorem – Common Pool Resources – The Tragedy of Commons – Efficient Allocation of Resources – Opportunity Cost

Unit 3

Envisioning ideas for Sustainable Development: Economic Resources and Sustainable Development – Natural resources – Uses – Scarcity – Exploring alternatives – Optimum Use Criteria – Environmental accounting – Integration of environmental accounts with the system of National Accounts – Environment Impact Assessment (EIA) – Sustainable development for Intra Generational and Intergenerational Equity – Measurement of SD – Strong and weak sustainability – Strategies for Sustainability – EKC.

Unit 4

Biodiversity and Economics of Environment, Resource Economics and Ecological Economics Resources – Types – Hotelling's Rule – Solow Hartwick's rule – Optimality in Forest Harvesting – Taxes – Subsidies – Credits – Coase's theorem and Property rights – Ostrom's Collective Action.

Unit 5

Environment Linkages of Health Dimensions and Environment in the Development Process: Determinants of Health – Environmental factors – Outcomes – Morbidity and Mortality – Demand and Supply of Healthcare – Human Capital versus Physical Capital – Environmental education for Sustainable Development – Global issues – World Summits on Environmental issues and Sustainable Development – MDG

CO's

CO1	Envision sustainable development ideas environment quality degradation and negative externalities owing to rapid industrialization.
CO2	Understand the concept of sustainable economic development and the various approaches to the same concept
CO3	Understand and analyse various theories underlying the judicious use of natural resources and sustainable economic development.

CO4	Understand the concept, nature of biodiversity and linkages Resource Economics and Ecological Economics.
CO5	Understand the linkages between the various dimensions related to health and the Environment in the Development Process

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Envision sustainable development ideas environment quality degradation and negative externalities owing to rapid industrialization.	2	2	3	2	3
CO2	Understand the concept of sustainable economic development and the various approaches to the same concept	2	2	2	3	1
CO3	Understand and analyse various theories underlying the judicious use of natural resources and sustainable economic development.	3	2	2	1	3
CO4	Understand the concept, nature of biodiversity and linkages Resource Economics and Ecological Economics.	2	3	2	3	3
CO5	Understand the linkages between the various dimensions related to health and the Environment in the Development Process	3	3	2	1	1

References:

- R. N. Bhattacharya (2006), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
- Ulaganathan, Sankar (2006), Environmental Economics, Oxford University Press, New Delhi.
- Hanley, Shogren and White (2004), Environmental Economics in Theory and Practice, McMillan India Limited, Delhi.
- Singh & Shishodia (2010), Environmental Economics: Theory and Applications, Sage Publications, New Delhi.
- Rathore, M.S. (Ed.) (1996), Environmental and Development, Rawat Publications. Jaipur.
- Garge, M. R. (Ed.) (1996) Environmental Pollution and Protection, Deep and Deep Publications, New Delhi.
- Lodha, S. L. (Ed.) (1991), Environmental of Environment. RBSA Publishers, Jaipur.
- Rajlakshmi N. And Dhulasi B. (1994), Environomics, Allied publishers Ltd., New Delhi.
- Singh, G. N. (Ed.) (1991), Environmental Economics, Mittal Publications, New Delhi.
- Mehta, C.S. (1994), Environment and Law, RBSA Publishers, New Delhi.
- Karpagam, M. (1993), Environmental Economics, Sterling Publishers, New Delhi. .



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Environmental Science and Ecology

Code: CE-108

COURSE OBJECTIVES: To provide understanding of component of environment, their function ,quality, issues related to environment ,effect of quality degradation on human beings and their solutions.

Unit 1

Sustaining Resources : Environmental Quality : Water & Air Pollution. Effects and control of air and Water pollution; Introduction to solid waste and its management. Pollution of groundwater. Surface water and soils. Noise pollution; Renewable and Non renewable energy source.

Unit 2

Toxicological Chemistry and effects and risks of it on human health

Unit 3

Environmental Chemical Analysis

Unit 4

Humans and Sustainability, Ecology and Sustaining Biodiversity

Unit 5

Policy and legislation for environmental protection. Current Environmental issues

CO's

CO1	To study an environment and ecosystem.
CO2	To study natural resources.
CO3	To study biodiversity and conservation
CO4	To study environmental pollution, policies and practices.
CO5	To study human population and environmental ethics.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To study an environment and ecosystem.	3	3	2	3	2
CO2	To study natural resources.	3	2	2	3	1
CO3	To study biodiversity and conservation	3	2	2	3	1
CO4	To study environmental pollution, policies and practices.	3	3	3	3	1
CO5	To study human population and environmental ethics.	3	2	2	3	2

Text Books :

1. Introduction to Environmental Engineering and Science, G.M. Masters. Pearson Education

2. Environmental Science. Miller, Thomson Press .
3. Environmental Science, Wright, Pearson Education.
4. Principles of Environmental SCIENCE, W.P. Cunningham, Tata McGraw Hill.
5. Environmental Chemistry, Sawyer and McCarty, McGraw Hill
6. Environmental Chemistry, Manahan Stanley E. Lewis Publishers.

Practical :

1. Case Analysis based on theory.
2. Determination of simple environmental parameters in laboratory.
3. Paper Presentation on current environmental issues



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Mathematical Methods for Economics-II

Code: BS-112

COURSE OBJECTIVES: This course has been designed to impart the students about the knowledge of application of mathematical tools in economics.

Unit 1

Introduction to Analysis: Sets - Basic concepts - Ordered sets - Relations-Order relations - Metric Spaces-open and closed sets - Convergence: Completeness and Compactness - Linear spaces - Affine sets - convex sets - Normed Linear Spaces - convexity in Normed Linear space - Preference Relations - Monotonicity and Non-satiation – continuity - convexity - Functions-Functions as Mappings-Correspondences Monotone functions - Monotone correspondences - Continuous Functions - Continuity of Correspondences - Continuous Maximum Theorem-Fixed Point Theorem (Brouwer's version)

Unit 2

Vector and Matrix Algebra: Vectors and Vector Spaces: Linear Dependence and Independence of Vectors -Vector Spaces and Subspaces - Basis of a Vector Space-Matrix Algebra - Trace, Rank and Inverse of a Matrix Orthogonal matrix - Quadratic Form - Definition, Types and Properties - Linear Equation: Consistency of Linear Equations - Solution of a System of Linear Equations (Homogenous and Non-homogenous) - Linear Transformations-Eigen Values and Eigen Vectors.

Unit 3

Classical Optimization Techniques: Unconstrained Optimization - Two and Three variables- Vector and Matrix Differentiation - Jacobian and Hessian Matrices-Constrained Optimization - Lagrangian Multiplier Technique - Applications - Utility maximization, Profit maximization and Cost minimization.

Unit 4

Linear and Non-Linear Programming: Optimization with Inequality Constraints - Linear Programming - Formulation-Primal and Dual Graphical and Simplex methods - Duality Theorem-Non-Linear Programming-Kuhn-Tucker conditions - Economic Applications

Unit 5

Economic Dynamics: Differential Equations-Basic Ideas-Types-Solution of Differential Equations (Homogenous and Exact)-Linear Differential Equations with Constant Coefficients (First and Second Order)- Applications- Solow's model-Harrod-Domar Model-Applications to Market models-Difference Equations: Types - Linear Difference Equations with Constant Coefficients (First and Second order) and solutions-Applications- Samuelson's Accelerator-Multiplier model-Cobweb model.

CO's

CO1	To understand the mathematical structure of standard economic theoretical framework
CO2	Equip students with mathematical tools to solve optimization problems appear in

	economic theory
CO3	To analyse mathematically the dynamics of the growth process in an economy
CO4	Equip students with tools to read the technical writing appear in standard economic journals
CO5	To analyse the dynamics of macroeconomic policies in an economy

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To understand the mathematical structure of standard economic theoretical framework	3	3	3	1	1
CO2	Equip students with mathematical tools to solve optimization problems appear in economic theory	3	3	2	1	1
CO3	To analyse mathematically the dynamics of the growth process in an economy	3	3	2	1	1
CO4	Equip students with tools to read the technical writing appear in standard economic journals	3	3	2	1	1
CO5	To analyse the dynamics of macroeconomic policies in an economy	3	3	2	1	1

BA- Economics

Semester - III



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Intermediate Microeconomics-I

Code: BEC- 201

Course Objective

The course is designed to provide a sound training in microeconomic theory to formally analyze the behaviour of individual agents. Since students are already familiar with the quantitative techniques in the previous semesters, mathematical tools are used to facilitate understanding of the basic concepts. This course looks at the behaviour of the consumer and the producer and also covers the behaviour of a competitive firm.

Course Outline

1. Consumer Theory

Preference; utility; budget constraint; choice; demand; Slutsky equation; buying and selling; choice under risk and inter temporal choice; revealed preference.

2. Production, Costs and Perfect Competition

Technology; isoquants; production with one and more variable inputs; returns to scale; short run and long run costs; cost curves in the short run and long run; review of perfect competition.

Readings:

1. Hal R. Varian, Intermediate Microeconomics, a Modern Approach, W.W. Norton and Company/Affiliated East-West Press (India), 8th edition, 2010. The workbook by Varian and Bergstrom may be used for problems.
2. C. Snyder and W. Nicholson, Fundamentals of Microeconomics, Cengage Learning (India), 2010.
3. B. Douglas Bernheim and Michael D. Whinston, Microeconomics, Tata McGraw- Hill (India), 2009.

CO's

CO1	Understand the meaning and nature of microeconomics and understand the basic concept of economics
CO2	Understand, apply and evaluate the rational consumer behaviour on the basis of cardinal and ordinal utility approaches.
CO3	Understand, apply, evaluate and analyze the concept of cost and production that helps in determination of price and output as a firm.
CO4	Understand and evaluate differentiate between cost and revenue.
CO5	Understand and analyze profit maximization of firm under different structure of markets

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Understand the meaning and nature of microeconomics and understand the basic concept of economics	2	2	1	1	2
CO2	Understand, apply and evaluate the rational consumer behaviour on the basis of cardinal and ordinal utility approaches.	2	2	1	1	2
CO3	Understand, apply, evaluate and analyze the concept of cost and production that helps in determination of price and output as a firm.	2	2	1	1	2
CO4	Understand and evaluate differentiate between cost and revenue.	2	2	1	1	2
CO5	Understand and analyze profit maximization of firm under different structure of markets	2	2	1	1	2



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Intermediate Macroeconomics-I

Code: BEC- 203

Course Objective

This course introduces the students to formal modeling of a macro-economy in terms of analytical tools. It discusses various alternative theories of output and employment determination in a closed economy in the short run as well as medium run, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.

Unit 1:

Aggregate Demand and Aggregate Supply Curves: Derivation of aggregate demand and aggregate and supply curves; interaction of aggregate demand and supply.

Unit 2:

Inflation, Unemployment and Expectations: Phillips curve; adaptive and rational expectations; policy ineffectiveness debate.

UNIT 3:

Open Economy Models: Short-run open economy models; Mundell-Fleming model; exchange rate determination; purchasing power parity; asset market approach;

UNIT 4:

Dornbusch's overshooting model; monetary approach to balance of payments; international financial markets.

Readings:

1. Dornbusch, Fischer and Startz, *Macroeconomics*, McGraw Hill, 11th edition, 2010.
2. N. Gregory Mankiw. *Macroeconomics*, Worth Publishers, 7th edition, 2010.
3. Olivier Blanchard, *Macroeconomics*, Pearson Education, Inc., 5th edition, 2009.
4. Steven M. Sheffrin, *Rational Expectations*, Cambridge University Press, 2nd edition, 1996.
5. Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7th edition, 2011.
6. Errol D'Souza, *Macroeconomics*, Pearson Education, 2009
7. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, *International Economics*, Pearson Education Asia, 9th edition, 2012.

CO's

CO1	Students will be able to Introduce Macroeconomics and National Income Accounting
CO2	Students will be able to understand about Money and Inflation
CO3	Students will be able to understand and apply Current Account Deficit and apply Capital Account transfer
CO4	Students will be able to know about Closed Economy in Short Run
CO5	Students will be able to understand Two, Three and Four Sector Model of the Economy

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to Introduce Macroeconomics and National Income Accounting	2	2	1	1	1
CO2	Students will be able to understand about Money and Inflation	2	3	2	2	2
CO3	Students will be able to understand and apply Current Account Deficit and apply Capital Account transfer	2	2	2	1	2
CO4	Students will be able to know about Closed Economy in Short Run	2	2	1	1	1
CO5	Students will be able to understand Two, Three and Four Sector Model of the Economy	2	2	1	1	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Economic History of India 1857-1947

Code: BEC- 205

Course Objective

This course analyses key aspects of Indian economic development during the second half of British colonial rule. In doing so, it investigates the place of the Indian economy in the wider colonial context, and the mechanisms that linked economic development in India to the compulsions of colonial rule. This course links directly to the course on India's economic development after independence in 1947.

Unit 1:

Colonial India: Background and Introduction, Overview of colonial economy.

Macro Trends: National Income; population; occupational structure.

Unit 2:

Agriculture: Agrarian structure and land relations; agricultural markets and institutions – credit, commerce and technology; trends in performance and productivity; famines.

UNIT 3:

Railways and Industry: Railways; the de-industrialisation debate; evolution of entrepreneurial and industrial structure; nature of industrialisation in the interwar period; constraints to industrial breakthrough; labor relations.

UNIT 4:

Economy and State in the Imperial Context: The imperial priorities and the Indian economy; drain of wealth; international trade, capital flows and the colonial economy – changes and continuities; government and fiscal policy.

Readings:

1. Lakshmi Subramanian, “History of India 1707-1857”, Orient Blackswan, 2010, Chapter 4.
2. Sumit Guha, 1991, Mortality decline in early 20th century India, Indian Economic and Social History Review (IESHR), pp 371-74 and 385-87.
3. Tirthankar Roy, The Economic History of India 1857-1947, Oxford University Press, 3rd edition, 2011.
4. J. Krishnamurthy, Occupational Structure, Dharma Kumar (editor), The Cambridge Economic History of India, Vol. II, (henceforth referred to as CEHI), 2005, Chapter 6.
5. Irfan Habib, Indian Economy 1858-1914, A People's History of India, Vol. 28, Tulika, 2006

CO's

CO1	Students will be able to understand the background of Colonial India
CO2	Students will be able to define National Income; population; occupational structure
CO3	Students will be able to understand Agrarian structure and land relations
CO4	Students will be able to understand Agriculture Credit, commerce and technology
CO5	Students will be able to understand Structure of Indian Industries, Development done during colonial period

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to understand the background of Colonial India	3	2	1	1	1
CO2	Students will be able to define National Income; population; occupational structure	3	2	1	1	1
CO3	Students will be able to understand Agrarian structure and land relations	2	2	1	1	1
CO4	Students will be able to understand Agriculture Credit, commerce and technology	3	2	1	1	1
CO5	Students will be able to understand Structure of Indian Industries, Development done during colonial period	2	2	1	1	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Economic Analysis & Policies

Code: BEC- 207

Course Objective

To impart the basic knowledge of the concepts and tools of economic analysis as relevant for managerial decision making and to provide a fair understanding of the aggregate economic system within which a firm operates.

Unit 1:

Introduction: Nature, scope, and significance of business Economics; Economic Theories applied to business decisions, factors influencing business decisions. Fundamental Principles of Managerial Economics— Incremental Principle, Marginal Principle, Opportunity Cost Principle, Discounting Principle, Concept of Time Perspective, Equi-Marginal Principle. Utility Analysis. Cardinal Utility and ordinal Utility.

Unit 2:

Demand and Supply Analysis: Theory of Demand. Types of Demand. Determinants of demand, Demand Function, Demand Schedule, Demand curve, Law of Demand, Exceptions to the law of Demand, Shift in demand curve, Elasticity of demand and its measurement. Price Elasticity, income Elasticity, Arc Elasticity, Cross Elasticity and Advertising Elasticity. Uses of Elasticity of Demand for managerial decision making, Demand forecasting

meaning, significance and methods. **COST ANALYSIS:** Production Function—Laws of Production—cost concepts—Least cost combination of inputs—Factor Productivities and returns to scale; Economies and diseconomies of scale; managerial uses of production function.

UNIT 3:

Demand Forecasting: Factors involved in forecasting—Techniques of forecasting—Purpose of Forecasting. Competition and Pricing: Kinds of competitive situations; Non-price competition Cut-throat and destructive competition—Predatory and discriminatory competition—Fair and unfair competition. Price and output determination under perfect competition, Monopolistic, Oligopoly, Monopoly—Price behavior and time element- pricing methods.

UNIT 4:

Profits: Nature of profits, Theories of profits: Rent Theory, Monopoly as a source of profit. Marginal Productivity Theory—Dynamic Theory—Innovation Theory—Risk and uncertainty Theory—Policies and measure to control evil effects of fluctuations.

UNIT 5:

Government and the Macro Economy: Public finance and the fiscal policy—The meaning and importance of Fiscal Policy—Economics Stabilization—Automatic stabilizers and discretionary fiscal policy—Full employment and budget surplus –Instruments of fiscal policy—Some problems of fiscal policy. National income; Concepts and various method of its measurement, inflation, types and causes, business.

REFERENCE BOOKS

1. Mankar and Dinakar: Business Economics—Himalaya Publishing House.
2. Joel Dean : Managerial Economics—Prentice Hall India.

CO's

CO1	Apply the economic way of thinking to individual decisions business decisions
CO2	Evaluate the different costs of production and how they effect short and long run decisions
CO3	Interpret the four basic market models of perfect competition, monopoly, monopolistic competition and Oligopoly
CO4	Compose the current economic phenomenon with existing theory
CO5	Apply the principle of Macroeconomics in explaining the behaviour of Macroeconomics variables at national as well as global level

CO-PO Mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
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CO1	Apply the economic way of thinking to individual decisions business decisions	3	1	1	1	1
CO2	Evaluate the different costs of production and how they effect short and long run decisions	2	3	1	1	1
CO3	Interpret the four basic market models of perfect competition, monopoly, monopolistic competition and Oligopoly	3	3	1	2	3
CO4	Compose the current economic phenomenon with existing theory	3	2	1	1	2
CO5	Apply the principle of Macroeconomics in explaining the behaviour of Macroeconomics variables at national as well as global level	1	2	2	1	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Statistical Methods of Economics

Code: BS-201

Course Objective

This is a course on statistical methods for economics. It begins with some basic concepts and terminology that are fundamental to statistical analysis and inference. It then develops the notion of probability, followed by probability distributions of discrete and continuous random variables and of joint distributions. This is followed by a discussion on sampling techniques used to collect survey data. The course introduces the notion of sampling distributions that act as a bridge between probability theory and statistical inference. The semester concludes with some topics in statistical inference that include point and interval estimation.

Unit 1:

Introduction and Overview: The distinction between populations and samples and between population parameters and sample statistics; the use of measures of location and variation to describe and summarize data; population moments and their sample counterparts.

Unit 2:

Elementary Probability Theory: Sample spaces and events; probability axioms and properties; counting techniques; conditional probability and Bayes' rule; independence.

Random Variables and Probability Distributions: Defining random variables; probability distributions; expected values of random variables and of functions of random variables; properties of commonly used discrete and continuous distributions (uniform, binomial, normal, poisson and exponential random variables

UNIT 3:

Random Sampling and Jointly Distributed Random Variables: Density and distribution functions for jointly distributed random variables; computing expected values; covariance and correlation coefficients.

UNIT 4:

Sampling: Principal steps in a sample survey; methods of sampling; the role of sampling theory; properties of random samples.

Point and Interval Estimation: Estimation of population parameters using methods of moments and maximum likelihood procedures; properties of estimators; confidence intervals for population parameters.

Readings:

1. Jay L. Devore, *Probability and Statistics for Engineers*, Cengage Learning, 2010.
2. John E. Freund, *Mathematical Statistics*, Prentice Hall, 1992.
3. Richrd J. Larsen and Morris L. Marx, *An Introduction to Mathematical Statistics and its Applications*, Prentice Hall, 2011.
4. William G. Cochran, *Sampling Techniques*, John Wiley, 2007.

CO's

CO1	Outline the scope of statistics and its application in Economics
CO2	Understand the Probability and distribution methods
CO3	Examine and distinguish various Random of sampling
CO4	Measure and interpret the Sampling methods

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Outline the scope of statistics and its application in Economics	2	2	1	1	2
CO2	Understand the Probability and distribution methods	2	3	1	1	2

CO3	Examine and distinguish various Random of sampling	2	3	1	1	2
CO4	Measure and interpret the Sampling methods	2	3	1	1	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Computer Application for Business

Code: CS- 213

Course Objective

To provide computer skills and knowledge for commerce students and to enhance the student understands of usefulness of information technology tools for business operations.

Unit 1:

Introduction to word Processing, Word processing concepts, Use of Templates, Working with word document: Editing text, Find and replace text, Formatting, spell check, Autocorrect,

Autotext; Bullets and numbering, Tabs, Paragraph Formatting, Indent, Page Formatting, Header and footer, Tables: Inserting, filling and formatting a table; Inserting Pictures and Video; Mail Merge: including linking with Database; Printing documents

Unit 2:

Basics of presentations: Slides, Fonts, Drawing, Editing; Inserting: Tables, Images, texts, Symbols, Media; Design; Transition; Animation; and Slideshow.

UNIT 3:

Spreadsheet concepts, Managing worksheets; Formatting, Entering data, Editing, and Printing a worksheet; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs Generally used Spreadsheet functions: Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and reference, Database, and Text functions

UNIT 4:

Creating Business Spreadsheet Creating spreadsheet in the area of: Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical parameters; Correlation and Regression

UNIT 5:

Database Designs for Accounting and Business Applications: Reality-Expressing the Application; Creating Initial design in Entity Relationship (ER) Model; Transforming ER Model to Relational data model concepts; Implementing RDM design using an appropriate DBMS.

SQL and Retrieval of Information: Basic Queries in SQL; Embedded Queries in SQL; Insert, Delete and Update statements in SQL

DBMS Software: Environment; Tables; Forms; Queries; Reports; Modules;

Applying DBMS in the areas of Accounting, Inventory, HRM and its accounting, managing the data records of Employees, Suppliers and Customers.

Suggested Readings:

The suggested readings and guidelines shall be notified by the university department at least once in three years based on the selected software

CO's

CO1	To provide knowledge about computer hardware and software
CO2	Basic knowledge of presentation
CO3	To provide knowledge of working on worksheet
CO4	To facilitate knowledge about application of IT in education, commerce, business and Industry

CO5	To provide information about internet and its advantages and disadvantages
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CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To provide knowledge about computer hardware and software	3	3	1	1	2
CO2	Basic knowledge of presentation	3	2	1	1	2
CO3	To provide knowledge of working on worksheet	2	2	1	1	1
CO4	To facilitate knowledge about application of IT in education, commerce, business and Industry	3	2	1	1	1
CO5	To provide information about internet and its advantages and disadvantages	3	2	1	1	1

BA- Economics

Semester - IV

Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Intermediate Microeconomics-II

Code: BEC- 202



COURSE OBJECTIVES:

Students will be able to: This course is designed to expose first-year students, who may be new to economics, the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analysis real-life situations

UNIT- I

Basic Concepts and Definition of Economics, scope of economics, questions of what, how and for whom to produce and how to distribute output, Basic Concepts- Micro, Macro, Static, Comparative Static and Dynamic, Margin, Equilibrium and type, Competition and Alternative Definitions of Economics.

UNIT- II

Individual demand and supply schedules and the derivation of market demand and supply; shifts in demand and supply curves; Concept and Types of Elasticity, Price, Income and Cross Elasticity of Demand, Methods of Measuring the Price Elasticity of Demand

UNIT- III

Meaning and Types of Utility, Assumption and Law of Diminishing Marginal Utility and its practical relevance; Consumer Equilibrium and Law of Eqi-Marginal Utility

UNIT- IV

Indifference Curves, slopes and its properties, Concept of Budget Line, Equilibrium of Consumer, Consumer's surplus through Indifference Curve Approach, Theory of Preference and Consistency, Transitivity

UNIT- V

Types of Costs, Cost Curves, Meaning and Types of Revenue, Revenue Curves, Conditions of Firm Equilibrium, Behaviour of profit maximizing firms and the production process; short-run costs and output decisions; costs and output in the long run.

Course Outcome (CO)

CO1 Understand the meaning and nature of microeconomics and understand the basic concept of economics.

CO2 Understand, analyze and evaluate the theoretical concept of demand and apply forecasting of demand in practice.

CO3 Understand, apply and evaluate the concept of cardinal

CO4 Understand, apply and evaluate the concept of ordinal utility approaches analysis of utility

CO5 Understand and evaluate the differentiate between cost and revenue.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Understand the meaning and nature of microeconomics and understand the basic concept of economics.	3	3	3	1	1
CO2	Understand, analyze and evaluate the theoretical concept of demand and apply forecasting of demand in practice	3	3	2	1	1
CO3	Understand, apply and evaluate the concept of cardinal	3	3	2	1	1
CO4	Understand, apply and evaluate the concept of ordinal utility approaches.	3	3	2	1	1
CO5	Understand and evaluate the differentiate between cost and revenue.	3	3	2	1	1

Books recommended:

1. Karl E. Case and Ray C. Fair, Principles of Economics, Pearson Education, Inc., 8th edition, 2007.
2. N. Gregory Mankiw, Economics: Principles and Applications, India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition, 2007.
3. Joseph E. Stiglitz and Carl E. Walsh, Economics, W.W. Norton & Company, Inc., New York, International Student Edition, 4th edition, 2007.



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Intermediate Macroeconomics-II

Code: BEC- 204

COURSE OBJECTIVES:

This course introduces the students to formal modeling of a macro-economy in terms of analytical tools. It discusses various alternative theories of output and employment determination in a closed economy in the short run as well as medium run, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.

UNIT I

Goods market equilibrium using IS curve-derivation and shifts-Money market equilibrium using LM curve-derivation and shifts-equilibrium using IS and LM.

UNIT II:

Theories of Inflation and Unemployment Inflation–Types of Inflation –Headline and core inflation-Measurement of inflation in India-WPI-CPI-PPI-GDP deflator effects of inflation-Sacrifice ratio-Theories of inflation-Demand pull versus cost-push inflation-Measures to control inflation. Unemployment –Types of unemployment-Measurement of unemployment-Cost of unemployment and Okun's law. Phillips curve –Short Run and Long run Phillips curve –Stagflation of 1970s-reasons-NAIRU.

UNIT III:

Short Run Analysis Business Cycles-Phases-

Theories of trade cycles-Hawtrey's theory-Hayek's theory-Keynesian theory-Monetarist interpretation of trade cycles-Contra-cyclical policy measures-Monetary, fiscal, and incomes policy -Meaning and Instruments

UNIT IV: Fiscal and Monetary Policy

Fiscal policy-tools-effectiveness-Monetary policy-tools-effectiveness-Interaction between fiscal and monetary policy. Unconventional Monetary Policy-Quantitative easing-Transmission mechanism. Great recession of 2008 and use of monetary and fiscal policy.

Course Outcome (CO)

CO1 Students will be able to know about Aggregate Demand and Aggregate Supply Curves

CO2 Students will be able to understand about Inflation and Unemployment

CO3 Students will be able to know about Open Economy Models in Short Run

CO4 Students will be able to know about Open Economy Models like Dornbusch. They will understand about balance of payment

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to know about Aggregate Demand and Aggregate Supply Curves	3	3	3	1	1
CO2	Students will be able to understand about Inflation and Unemployment	3	3	2	1	1
CO3	Students will be able to know about Open Economy Models in Short Run	3	3	2	1	1
CO4	Students will be able to know about Open Economy Models like Dornbusch. They will understand about balance of payment	3	3	2	1	1
CO5	Students will understand about Classical and Keynesians, Neo Classical and New Keynesians school of thoughts	3	3	2	1	1

References

1. Edward Shapiro –'Macro economics' Oxford University press.
2. Gregory Mankiw –'Macro economics' –6th Edn. Tata McGraw Hill.
3. Richard T. Froyen –'Macro economics', Pearson education.
4. Eugene Diulio –Macro economic Theory, Shaum's Outline series. Tata McGraw Hill
5. Errol D'Souza –'Macro Economics' –Pearson Education 2008.
6. Abhijit Kundu (2009) : Methodology and Perspectives of Social Science –Pearson Education 8
7. Dornbusch, Fischer and Startz-MacroEconomics-Tata McGraw –Hill

Additional Reference

1. Lipsey R. and A Chrystal –Economics (11th Edition) Oxford University Press New Delhi.
2. Nicoli Nattrass and G. Visakh Varma, 'Macroeconomics simplified: understanding Keynesian and Classical Macroeconomic Systems', Sage India Publications, 2014



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: India and World Economy

Code: BEC- 206

COURSE OBJECTIVES:

The objectives of the course are - to enable the students to learn the fundamental theories of international economics; enable the students to understand the international trade system and their implications for the national economy in modern days.

UNIT- I

Meaning and Importance of International Economics; Distinction between Internal and International Trade; Theories of Absolute cost advantage and Comparative Cost; Heckscher-Ohlin model of trade; Leontief Paradox.

Unit-2

Trade and Commercial Policy- Terms of Trade: Various concepts of terms of trade; Factors Affecting and Deterioration in Terms of trade; Gains from Trade; Free Trade v/s Protectionist Policy-Relative Merits and Demerits; Tariffs and Quotas – meaning, types, effects. Concept of optimum tariff; Offer curves.

Unit-3

Balance of Payment

Concepts and components of balance of trade and balance of payments-Consequences of disequilibrium and various measures to correct deficit in the balance of payments; Devaluation-Merits and Demerits.

Unit-4

India's Foreign Trade Recent changes in the composition and direction of foreign trade; Causes and effects of persistent deficit in the balance of payments; Foreign Capital- Role and sources of foreign capital, FDI; Multinational Corporations (MNC's)-Role of multinational corporations in India.

Unit-5

Economic Integration and International Monetary Meaning of Economic integration; European Union - Institutions objectives and working, Euro currency; SAARC. Origin, objectives, functions and achievements of WTO, International Monetary Fund (IMF), World Bank (IBRD), Asian Development Bank (ADB), BRICS.

Course Outcome(CO)

CO1 Students will be able to understand the introduction and theories of International Trade

CO2 Students will be able to know about Trade and Commercial policy

CO3 Student will be able to know about Balance of Payment

CO4 Student will be able to understand India's Foreign Trade

CO5 Student will be able to know about Economic Integration and International Monetary Institution

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to understand the introduction and theories of International Trade	3	2	3	2	2
CO2	Students will be able to know about Trade and Commercial policy	3	2	3	2	2
CO3	Student will be able to know about Balance of Payment	3	2	3	2	2
CO4	Student will be able to understand India's Foreign Trade	2	2	3	2	2
CO5	Student will be able to know about Economic Integration and International Monetary Institution	2	2	3	2	2



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Introductory Econometrics

Code: BEC- 208

Course Objective:

This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models. The course also covers the consequences of and tests for misspecification of regression models.

UNIT I: Nature and Scope of Econometrics. Statistical Concepts Normal distribution; chi-sq, t- and F-distributions; estimation of parameters; properties of estimators; testing of hypotheses: defining statistical hypotheses; distributions of test statistics; testing hypotheses related to population parameters; Type I and Type II errors; power of a test; tests for comparing parameters from two samples.

UNIT II:

Simple Linear Regression Model: Two Variable Case Estimation of model by method of ordinary least squares; properties of estimators; goodness of fit; tests of hypotheses; scaling and units of measurement; confidence intervals; Gauss-Markov theorem; forecasting.

UNIT III:

Multiple Linear Regression Model Estimation of parameters; properties of OLS estimators; goodness of fit - R^2 and adjusted R^2 ; partial regression coefficients; testing hypotheses – individual and joint; functional forms of regression models; qualitative (dummy) independent variables.

UNIT IV:

Violations of Classical Assumptions: Consequences, Detection and Remedies Multicollinearity; heteroscedasticity; serial correlation. Specification Analysis Omission of a relevant variable; inclusion of irrelevant variable; tests of specification errors.

Course Outcome (CO)

CO1 Students will be able to understand the introduction of Econometrics

CO2 Students will be able to know about Simple Linear Regression Model

CO3 Student will be able to know about Multiple Linear Regression Model

CO4 Student will be able to understand Violations of Classical Assumptions

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to understand the introduction of Econometrics	3	2	3	2	2
CO2	Students will be able to know about Simple Linear Regression Model	3	2	3	2	2
CO3	Student will be able to know about Multiple Linear Regression Model	3	2	3	2	2
CO4	Student will be able to understand India's Foreign Trade	2	2	3	2	2
CO5	Student will be able to know about Violations of Classical Assumptions	2	2	3	2	2

Readings

1. Jay L. Devore, Probability and Statistics for Engineers, Cengage Learning, 2010.
2. John E. Freund, Mathematical Statistics, Prentice Hall, 1992.
3. Richard J. Larsen and Morris L. Marx, An Introduction to Mathematical Statistics and its Applications, Prentice Hall, 2011.
4. D. N. Gujarati and D.C. Porter, Essentials of Econometrics, McGraw Hill, 4th edition, International Edition, 2009.
5. Christopher Dougherty, Introduction to Econometrics, Oxford University Press, 3rd edition, Indian edition, 2007.



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: E-Commerce

Code: BEC- 210

UNIT I:

Introduction to E-Commerce- Definition, Scope of E-Commerce, Hardware requirements, E-Commerce and Trade Cycle, Electronic Markets, Electronic Data Interchange and Internet Commerce.

UNIT II:

Business to Business E-Commerce- Electronic Markets, Electronic Data Interchange (EDI): Technology, Standards(UN/EDIFACT), Communications, Implementations, Agreements, Security, EDI and Business, Inter Organizational E-commerce.

UNIT III:

Legal issues Risks: Paper Document vs. Electronic document, Authentication of Electronic document, Laws, Legal issues for Internet Commerce: Trademarks and Domain names, Copyright, Jurisdiction issues, Service provider liability, Enforceable online contract.

UNIT IV:

Security Issues -Security Solutions: Symmetric and Asymmetric Cryptosystems, RSA, DES, and Digital Signature, Protocols for secure messaging, Secure Electronic Transaction (SET) Protocol, Electronic cash over internet, Internet Security. Consumer trade transaction, Internet, Page on the Web, Elements of E-Commerce with VB, ASP, SQL.

Course Outcomes (CO):

CO1 To understand Introduction to E-Commerce

CO2 To understand Business to Business E-Commerce

CO3 To understand Legal issues

CO4 To Analyse Security Issues & Business to Consumer E-Commerce

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To understand Introduction to E-Commerce	3	2	1	1	1
CO2	To understand Business to Business E-Commerce	3	2	1	1	1
CO3	To understand Legal issues	3	2	1	1	1
CO4	To Analyse Security Issues & Business to Consumer E-Commerce	3	2	1	1	1

Books:

1. E-Commerce-Strategy, Technologies & Applications by David Whitley, TMH
2. E-Commerce- The cutting edge of business by Kamlesh K. Bajaj, TMH
3. E-Commerce through ASP by W Clarke- BPB
4. Beginning E-Commerce with VB, ASP, SQL Server 7.0 & MTS by Mathew Reynolds, Wrox Publishers
5. Global Electronic Commerce- Theory and Case Studies by J. Christopher Westland and Theodore H. K Clark, University Press



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: History of economic thought

Code: BEC- 212

Course Objective

This course presents review of the history of economic thinking and economic analysis. The main goal of this course is to provide students with understanding of historical evolution of economic thought.

Unit 1: Mercantilism & Physiocrats

Mercantilism-Main characteristics - Limitations of national resources. Importance of Foreign Conquest, Colonization and Trade, Role of State in Foreign Trade, Definition of Wealth and the ways in which to augment it, Importance of the Balance of Trade, Works of Francis Bacon, Thomas Mun, Josiah Child, John Cary, Charles Davenant, John Stuart Mill Age of Enlightenment – France, Italy, Scotland. The

Physiocratic school. Definition of surplus. The organization of economic activities and transactions. The Tableau Economique Works of Jacques Turgot, Francois Quesnay, Richard Cantillon.

Unit 2: British Political Economy

Nature of the Surplus, Source of Value, Measure of Value, Market Prices and Natural Prices, Profits and Wages, Gross and Net Revenue (national income), Income Distribution, Works of Adam Smith, David Ricardo, Robert Malthus, Objections raised by J. B. Say, Charles Dupuit, W Stanley Jevons, and Leon Walras, J.M. Keynes

UNIT 3: Socialism

Rise of Socialist ideas, Political background, Ricardian Theory of Rent, Nationalization of Land, French Socialists, Marxism, Marx's writings in theoretical economics. The Marxian twist, Marxism post – 1991 - Schumpeter's Critique

UNIT 4: Indian Economic Thought

Early Indian economic thought - Chanakya's Arthashastra - Colonial Economic policies, Unfair treatment of the colonies, Nationalist response, Swadeshi Movement. Economic ideas of M. G. Ranade, Dadabhai Naorojee, Gopal Krishna Gokhale, Dr. B. R. Ambedkar, M.K. Gandhi

Course Outcomes (CO):

CO1 To understand Introduction of Mercantilism & Physiocrats

CO2 To understand the British Political Economy.

CO3 To understand Socialism

CO4 To Analyse the Indian Economic Thought

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To understand Introduction of Mercantilism & Physiocrats	3	2	1	1	1
CO2	To understand the British Political Economy .	3	2	1	1	1
CO3	To understand Socialism	3	2	1	1	1
CO4	To Analyse the Indian Economic Thought	3	2	1	1	1

Suggested Readings:

1. Loganathan. V A, A History of Economic Thought, S Chand & Company, New Delhi (1987)
2. Srivastava S K - History of Economic Thought S Chand & Company, New Delhi (2002)
3. Ganguly B.N - Indian Economic Thought, A Nineteenth Century Perspective, McGraw Hill (1977)
4. Grid and Rist, A History of Economic Doctrines, George Harrop, London (1956)
5. Louis Haney - History of Economic Thought, Surjit Publications, New Delhi (1977)
6. Ernesto Screpanti and Stefano Zamagni, An Outline of History of Economic Thought, Oxford University Press, Second Edition (2005)
7. Grey and Thomson, The Development of Economic Doctrine, Longman Group, London (1980)



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Research Methodology

Code: MG- 206

Objectives: The objective of this paper is to understand the various aspects of research, identify the various tools available to a researcher. Research Methodology can help the business manager in decision making.

UNIT I

Introduction: Meaning of research; Scope of Business Research; Purpose of Research – Exploration, Description, Explanation; Unit of Analysis – Individual, Organization, Groups, and Data Series; Conception, Construct, Attributes, Variables, and Hypotheses.

UNIT II

Research Process: An Overview; Problem Identification and Definition; Selection of Basic Research Methods- Field Study, Laboratory Study, Survey Method, Observational Method, Existing Data Based Research, Longitudinal Studies, Panel Studies, Questionnaire Design.

UNIT III

Measurement: Definition; Designing and writing items; Uni-dimensional and Multidimensional scales; Measurement Scales- Nominal, Ordinal, Interval, Ratio; Ratings and Ranking Scale, Thurston, Likert and Semantic Differential scaling, Paired Comparison, Reliability and Validity Scale.

Sampling –Steps, Types, Sample Size Decision; Secondary data sources.

Hypothesis Testing: Tests concerning means and proportions; ANOVA, Chi-square test and other Non-parametric tests.

UNIT IV

Report Preparation: Meaning, types and layout of research report; Steps in report writing; Citations, Bibliography and Annexure in report; JEL Classification.

Computerized Data Analysis: An overview, features, and role of Computerized Data Analysis (Advanced Excel / SPSS or any other analytical software) (Introductory aspects only).

Course Outcome:

CO1: Develop understanding on various kinds of research, objectives of doing research, research process, research designs and sampling.

CO2: Have basic knowledge on qualitative research techniques

CO3: Have adequate knowledge on measurement & scaling techniques as well as the quantitative data analysis

CO4: Have basic awareness of data analysis-and hypothesis testing procedures

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Develop understanding on various kinds of research, objectives of doing research, research process, research designs and sampling.	3	2	3	2	1
CO2	Have basic knowledge on qualitative research techniques	3	2	3	2	1

CO3	Have adequate knowledge on measurement & scaling techniques as well as the quantitative data analysis	3	2	2	2	1
CO4	Have basic awareness of data analysis-and hypothesis testing procedures	3	2	2	1	1

Text Books

1. Malhotra, Naresh, (2010), Marketing Research, Pearson education.
2. Cooper, Donald R. and Schindler, Pamela S. (2014), Business Research Methods, Tata McGraw Hill.
3. Rresearch Methodology for Facult(2016), Centre for Education Growth and Research Publication.

Reference Books

1. Nargundkar, Rajendra, (2011), Marketing Research: Text and Cases, McGraw Hill Education.
2. Kumar, Ranjit, (2014), Research Methodology: A step by step guide for Beginners. Pearson Educaion.
3. Levin, Richard and Rubin, DS, (2013), Statistics for Management, Pearson Education.
4. Beri, G.C., (2013), Marketing Research, McGraw Hill Education.
5. Deepak chawla & Neena Sondi,(2016), 2nd edition, Vikas Publishing House.

BA- Economics

Semester - V

Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Rural Development

Code: BEC- 301

Course Objectives: The students will be able to invent solutions for better rural development. There are ample of opportunities to the students to get employment in the Dept. of rural development and panchyatraj of both State and central. The rural development programme makes students to understand the socio economic conditions.

UNIT: I

Principles of Rural Economic Development, Planning the Rural Development. Tools for Rural Economic Analysis.

UNIT: II

Agriculture, Nature, Type of Agriculture, Subsistence, Commercial Agriculture, Rural Horticulture, Dairying.

UNIT: III

Land use – Land Holding, Land Reforms Marginal Lands. Poverty, BPL families, Agricultural laborers and Social Security.

UNIT: IV

Agricultural Finance – Need for Agricultural Finance, Sources of Agricultural Finance Kisan Credit card, the role of NABARD in Rural Development.

UNIT: V

Agricultural Marketing – Marketing of Agricultural produces, Cooperative Marketing.

Course Outcome:

CO1: The Students will be able to define the Agriculture, rural areas and rural families and principles of rural economic development

CO2: The Students will be able to understand the types of agriculture to include, horticulture, dairying and allied rural activities

CO3: The Students will be able to understand the rural poverty and land holdings

CO4: The Students will be able to Elucidate the Agricultural Finance and rural credits system.

CO5: The Students will be able to know the marketing system.

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	The Students will be able to define the Agriculture, rural areas and rural families and principles of rural economic development	3	1	1	1	2
CO2	The Students will be able to understand the types of agriculture to include, horticulture, dairying and allied rural activities	3	1	2	1	2
CO3	The Students will be able to understand the rural poverty and land holdings	2	1	2	1	2
CO4	The Students will be able to Elucidate the Agricultural Finance and rural credits system.	2	1	1	1	2
CO5	The Students will be able to know the marketing system.	2	2	2	1	2

Suggested Reading:

1. Agricultural Development Policy: Concepts and Experiences – Narton R.D.
2. Indian Agricultural Policy at the cross roads – S.S Acharya.
3. Indian Economy – A.N. Agarwal
4. Indian Economy – Rudra Dutt
5. Indian – Puri and Others



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Development Economics- I

Code: BEC- 303

COURSE OBJECTIVES:

The objective of this course is to aware the students about the concepts and basic model of development.

Unit: I

conception of development Development-Definition, Distinction and Measurement, Traditional Economic Measures- GNP, GDP, income per capita, Characteristics of developing nations, Economic and Non-Economic factors in economic development.

Unit: II

Theory and empirics of Economic development Stages of Economic Development Growth and Development- Rostow and Marx. Importance of non-economic factors in development. A holistic approach to development: Human Development Index

Unit: III

Theories of Economic growth and development Lewis model of labour surplus economy, Rosentein Rodan's theory of Big Push, Nelson's Level equilibrium trap, balanced vs Unbalanced growth, Harrod and Domar Growth models.

Unit: IV

Alternative approaches to development and dependence Structural Transformation models: Ranis-Fei, Harris-Todaro models and contributions by Chenery. Dominance Approach to Development, Neo-Colonial Dependence model, False- Paradigm model and Dualistic Development Thesis.

Unit: V

Development and international issues International aspects of economic development; International trade, FDI, FII, Regional cooperation (SAPTA, NAFTA, SAARC, BRICS etc.), WTO and developing countries.

COURSEOUTCOME (CO):

CO1 know the concept and characteristics of development

CO2 To be acquainted with various Approaches to empirics of economic development

CO3 To develop a sense among students regarding economic growth and development

CO4 To develop awareness regarding alternative approaches to development and dependence

CO5 To get deep understanding regarding Contemporary Issues related to development

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To know the concept and characteristics of development	3	1	1	1	2
CO2	To be acquainted with various Approaches to empirics of economic development	3	1	2	1	2
CO3	To develop a sense among students regarding economic growth and development	2	1	2	1	2
CO4	To develop awareness regarding alternative approaches to development and dependence	2	1	1	1	2
CO5	To get deep understanding regarding Contemporary Issues related to development	2	2	2	1	2

Suggested Readings

1. A.P Thirlwal, Economics of Development, Palgrave macmillan, Ninth Edition, 2014
2. Charles I. Jones Introduction to Economic Growth, Viva-Norton Student Edition, second edition, 2013.
3. Gerald M. Meier, Leading Issues in Economic Development, OUP, Eighth edition, 2010.
4. Todaro and Smith, Economic Development, Pearson Education Ltd., Eighth Edition, 2009.
5. Kaushik Basu, The Oxford Companion to Economics in India, OUP, 2007.
6. Amartya Sen, Development as Freedom, OUP, 2000.



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Money & Banking

Code: BEC- 305

COURSE OBJECTIVES:

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered

UNIT I:

Money & Banks :Evolution of Money, History, Concept, and functions.

UNIT- II

Banks :Meaning and Types of Banks, Functions of Banks Markets, Instruments and Financial Innovations :Role of financial markets and institutions.

UNIT- III

Problem of asymmetric information – adverse selection and moral hazard; financial crises. Interest Rates :Determination; sources of interest rate differentials.

UNIT- IV

Interest Rate: theories of term structure of interest rates; interest rates in India. Balance Sheet and Portfolio Management.

CO's

CO1 Students will be able to explain the concept and evaluation of money.

CO2 Students will be able to understand different types of banks and other financial institutions.

CO3 To make the students aware about problems of asymmetric information and financial crises.

CO4 Students will be able to define term structure theories of interest

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to explain the concept and evaluation of money.	2	2	2	2	2
CO2	CO2 Students will be able to understand different types of banks and other financial institutions.	2	1	1	2	2
CO3	CO3 To make the students aware about problems of asymmetric information and financial crises	1	2	2	2	2
CO4	Students will be able to define term structure theories of interest	2	2	2	1	2

Lingaya's Vidyapeeth**BA Economics****Session: 2021-22****Subject: Political Economy****Code: BEC- 307****COURSE OBJECTIVES:**

It goes on to study the consequences of globalization, especially of financial flows, for the role of the state, economic performance, gender issues, environment, human welfare and development.

Unit-I

Introduction and Historical overview -Perspective on political economy with a historical overview; Capitalist development in the pre-second world war period, the 'golden age' and later.

Unit-II

Changing Dynamics of Capitalist Production and Org. Fordist and post-fordist production; changing dynamics of organisation of production Markets. Labour Markets. Types of Labour, Labour Market and its characteristics, Labour process and the changing nature of job security. Labour rights

Unit-III

Globalisation and the limits of the welfare state, development and state autonomy

Unit: IV

The changing role of finance in capital accumulation and corporate structure; finance and globalisation – financialisation, financial liberalisation and financial crisis.

CO's

CO1 Students will be able to know about the perspective on political economy. They will understand the capitalist development in pre-second world war

CO2 Students will understand the changing dynamics of capitalist production and Organization

CO3 Students will understand about the Labour Markets

CO4 Students will be able to get an insight of the state in the era of Globalization and will be aware of the Changing Role of Finance

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to know about the perspective on political economy. They will understand the capitalist development in pre-second world war	3	2	3	2	1
CO2	Students will understand the changing dynamics of capitalist production and Organization	3	2	3	2	1
CO3	Students will understand about the Labour Markets	3	2	2	2	1
CO4	Students will be able to get an insight of the state in the era of Globalization and will be aware of the Changing Role of Finance	3	2	2	1	1

Books recommended:

1. Michel Beaud, A History of Capitalism, 1500-2000, trans. by Tom Dickman and Anny Lefebvre, New York: Monthly Review Press, 2001.
2. Ash Amin (ed.), Post-Fordism: A Reader, Blackwell, 1994.
3. Fran Tonkiss, Contemporary Economic Sociology: Globalisation, Production, Inequality, Chapter 4 (Fordism and After), Routledge India 2008 reprint, 2006.
4. S. Hymer, 1975, "The Multinational Corporation and the Law of Uneven Development", in H. Radice (ed.) International Firms and Modern Imperialism, Penguin Books.
5. G. Gereffi, J. Humphrey and T. Sturgeon, 2005



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Economics of Health and Education

Code: BEC- 309

Course Objective: The importance of education and health in improving well-being is reflected in their inclusion among the Millennium Development Goals adopted by the United Nations member states, which include among other goals, achieving universal primary education, reducing child mortality, improving maternal health and combating diseases. This course provides a microeconomic framework to analyze, among other things, individual choice in the demand for health and education, government intervention and aspects of inequity and discrimination in both sectors. It also gives an overview of health and education in India.

UNIT I:

Role of Health and Education in Human Development Importance in poverty alleviation; health and education outcomes and their relationship with macroeconomic performance. Microeconomic Foundations of Health Economics Demand for health; uncertainty and health insurance market; alternative insurance mechanisms; market failure and rationale for public intervention; equity and inequality.

UNIT: II

Evaluation of Health Programs Costing, cost effectiveness and cost-benefit analysis; burden of disease. Health Sector in India: An Overview Health outcomes; health systems; health financing.

UNIT: III

Education: Investment in Human Capital Rate of return to education: private and social; quality of education; signaling or human capital; theories of discrimination; gender and caste discrimination in India.

UNIT: IV

Education Sector in India: An Overview Literacy rates, school participation, school quality measures.

CO's

CO1 Students will be able to know Role of Health and Education in Human

CO2 Students will understand the Microeconomic Foundations of Health Economics & health programmes.

CO3 Students will understand about the Education: Investment in Human Capital

CO4 Students will be able to know the overview Education Sector in India

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to know Role of Health and Education in Human	3	2	3	2	1
CO2	Students will understand the Microeconomic Foundations of Health Economics & health programmes.	3	2	3	2	1
CO3	Students will understand about the Education: Investment in Human Capital	3	2	2	2	1
CO4	Students will be able to know the overview Education Sector in India	3	2	2	1	1

Readings:

1. William, Jack, Principles of Health Economics for Developing Countries, World 24 Bank Institute Development Studies, 1999.

2. World Development Report, Investing in Health, The World Bank, 1993.
3. Ronald G., Ehrenberg and Robert S., Smith, Modern Labor Economics: Theory and Public Policy, Addison Wesley, 2005.



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: Public Economics- II

Code: BEC- 311

Course objective:

Public economics is the study of government policy from the points of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization. Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities. The paper is divided into two sections, one dealing with the theory of public economics and the other with the Indian public finances.

UNIT I: Public Economic Theory. Fiscal functions: an overview. Public Goods: definition, models of efficient allocation, pure and impure public goods, free riding.

UNIT II:

Taxes versus regulation, property rights, the Coase theorem.

Taxation: its economic effects; dead weight loss and distortion, efficiency and equity considerations, tax incidence, optimal taxation.

UNIT III:

Indian Public Finances. Tax System: structure and reforms b. Budget, deficits and public debt

UNIT IV:

Fiscal federalism in India, Meaning, Importance of fiscal policy. History of fiscal policy.

Course Outcome (CO):

CO1 To understand Introduction to Public Economic

CO2 To understand the structure of taxation system.

CO3 To understand the structure of Indian Public Finances

CO4 To Analyse the Fiscal federalism

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	To understand Introduction to Public Economic	3	2	1	1	1
CO2	To understand the structure of taxation system.	3	2	1	1	1
CO3	To understand the structure of Indian Public Finances	3	2	1	1	1
CO4	To Analyse the Fiscal federalism	3	2	1	1	1

Readings:

1. J. Hindriks, G. Myles: Intermediate Public Economics, MIT Press, 2006.
2. H. Rosen, T. Gayer: Public Finance, 9th ed., McGraw-Hill/Irwin, 2009.
3. Joseph E. Stiglitz, Economics of the Public Sector, W.W. Norton & Company, 3rd edition, 2000.
4. R.A. Musgrave and P.B. Musgrave, Public Finance in Theory & Practice, McGraw Hill Publications, 5th edition, 1989.
5. John Cullis and Philip Jones, Public Finance and Public Choice, Oxford University Press, 1st edition, 1998.
6. Harvey Rosen, Public Finance, McGraw Hill Publications, 7th edition, 2005.

7. Mahesh Purohit, Value Added Tax: Experiences of India and Other Countries, 2007.
8. Kaushik Basu and A. Maertens (ed.), The New Oxford Companion to Economics in India, Oxford University Press, 2013.
9. M.M. Sury, Government Budgeting in India, 1990

BA- Economics

Semester - VI



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: FINANCIAL ECONOMICS

Code: BEC- 302

COURSE OBJECTIVES: This course introduces students to the economics of finance. Some of the basic models used to benchmark valuation of assets and derivatives are studied in detail; the Binomial Option Pricing models. The course ends with a brief introduction to corporate finance.

Unit-1

Investment Theory and Portfolio Analysis DETERMINISTIC CASH-FLOW STREAMS Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunisation; the term structure of interest rates; yield curves; spot rates and forward rates.

Unit-2

SINGLE-PERIOD RANDOM CASH FLOW Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: the Markowitz model and the two-fund theorem; risk-free assets and the one-fund theorem.

Unit-3

CAPM : The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula.

Unit-4

OPTIONS AND DERIVATIVES Introduction to derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures; the use of futures for hedging; duration-based hedging strategies; option markets; call and put options; factors affecting option prices; putcall parity; option trading strategies: spreads; straddles; strips and straps; strangles; the principle of arbitrage; discrete processes and the binomial tree model; risk-neutral valuation.

Unit-5

Corporate Finance Patterns of corporate financing: common stock; debt; preferences; convertibles; Capital structure and the cost of capital; corporate debt and dividend policy; the Modigliani-Miller theorem.

Course Outcome (CO)

CO1: Students will be able to understand Investment and Portfolio Analysis.

CO2: Students will be able to understand stock market.

CO3: Students will be able to understand pattern of finance.

CO4: Students will be able to understand Option and Derivatives.

CO5: Students will be able to understand Corporate Finance

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to understand Investment and Portfolio Analysis	3	2	3	2	2

CO2	Students will be able to understand Investment and Portfolio Analysis	3	2	3	2	2
CO3	Students will be able to understand Investment and Portfolio Analysis	2	2	3	2	2
CO4	Students will be able to understand Option and Derivatives	2	2	3	2	2
CO5	Students will be able to understand Corporate Finance	2	2	3	2	2



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: DEVELOPMENT ECONOMICS- II

Code: BEC- 304

COURSE OBJECTIVES: This is the first part of a two-part course on economic development. The course begins with a discussion of alternative conceptions of development and their justification. It then proceeds to aggregate models of growth and cross-national comparisons of the growth experience that can help evaluate these models. The axiomatic basis for inequality measurement is used to develop measures of inequality and connections between growth and inequality are explored. The course ends by linking political institutions to growth and inequality by discussing the role of the state in economic development and the informational and incentive problems that affect state governance.

Unit-1

Demography and Development Demographic concepts; birth and death rates, age structure, fertility and mortality; demographic transitions during the process of development; gender bias in preferences and outcomes and evidence on unequal treatment within households; connections between income, mortality, fertility choices and human capital accumulation; migration.

Unit-2

Land, Labor and Credit Markets The distribution of land ownership; land reform and its effects on productivity; contractual relationships between tenants and landlords; land acquisition; nutrition and labor productivity; informational problems and credit contracts; microfinance; inter-linkages between rural factor markets.

Unit-3

Credit markets informational problems and credit contracts; microfinance; inter-linkages between rural factor markets.

Unit-4

Individuals, communities and collective outcomes Individual behavior in social environments, multiple social equilibria; governance in organizations and in communities; individual responses to organizational inefficiency.

Unit-5

Environment and Sustainable Development- Defining sustainability for renewable resources; a brief history of environmental change; common-pool resources environmental externalities and state regulation of the environment; economic activity and climate change.

Course Outcome (CO)

CO1 know the concept and characteristics of development theory of Economics.

CO2 be acquainted with various concepts of Land, Labor and Credit Markets.

CO3 To develop a sense among students regarding Individuals, Communities and Collective Outcomes.

CO4 To develop awareness regarding Environment and Sustainable Development.

CO5 To get deep understanding regarding Contemporary Issues related to Governance

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	know the concept and characteristics of development theory of Economics.	3	1	1	1	2
CO2	be acquainted with various Concepts of land, labour and credit markets.	3	1	2	1	2
CO3	To develop a sense among students regarding individual communities and collective outcomes	2	1	2	1	1
CO4	To develop awareness regarding environment and sustainable development	2	1	1	1	1
CO5	To get deep understanding regarding contemporary issues related to governance	2	2	2	1	1



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: INTERNATIONAL ECONOMICS

Code: BEC- 306

COURSE OBJECTIVES: The objectives of the course are - to enable the students to learn the fundamental theories of international economics; enable the students to understand the international trade system and their implications for the national economy in modern days.

Unit-1

Introduction and Theories of International Trade. Meaning and Importance of International Economics; Distinction between Internal and International Trade; Theories of Absolute cost advantage and Comparative Cost; Heckscher-Ohlin model of trade; Leontief Paradox.

Unit-2

Trade and Commercial Policy -Terms of Trade: Various concepts of terms of trade; Factors Affecting and Deterioration in Terms of trade; Gains from Trade; Free Trade v/s Protectionist Policy-Relative Merits and Demerits; Tariffs and Quotas – meaning, types, effects. Concept of optimum tariff; Offer curves.

Unit-3

Balance of Payment -Concepts and components of balance of trade and balance of payments- Consequences of disequilibrium and various measures to correct deficit in the balance of payments; Devaluation-Merits and Demerits.

Unit-4

India's Foreign Trade Recent changes in the composition and direction of foreign trade; Causes and effects of persistent deficit in the balance of payments; Foreign Capital- Role and sources of foreign capital, FDI; Multinational Corporations (MNC's)-Role of multinational corporations in India.

Unit-5

Economic Integration and International Monetary Meaning of Economic integration; European Union - Institutions objectives and working, Euro currency; SAARC. Origin, objectives, functions and achievements of WTO, International Monetary Fund (IMF), World Bank (IBRD), Asian Development Bank (ADB), BRICS.

Course Outcome (CO)

CO1 Students will be able to understand the introduction and theories of International Trade

CO2 Students will be able to know about Trade and and Commercial policy

CO3 Student will be able to know about Balance of Payment

CO4 Student will be able to understand India's Foreign Trade

CO5 Student will be able to know about Economic Integration and International Monetary Institution

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	Students will be able to understand the introduction and theories of International Trade.	3	2	3	2	2
CO2	Students will be able to know about Trade and and Commercial policy	3	2	3	2	2
CO3	Student will be able to know about Balance of Payment	3	2	3	2	2
CO4	Student will be able to understand India's Foreign Trade	2	2	3	2	2
CO5	Student will be able to know about Economic Integration and International Monetary Institution	2	2	3	2	2



Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

Subject: AGRICULTURE ECONOMICS

Code: BEC- 308

COURSE OBJECTIVES:

- 1) To introduce the students the nature and importance of agricultural economics
- 2) To understand the students the basics of pricing, marketing of agricultural products and resource use efficiency of factors
- 3) To develop the students the skill to understand the current situation of agriculture sector and to evaluate policies with respect to the sector
- 4) To make capable of the students to suggest certain measures to revive the agriculture sector

UNIT I:

Agriculture in Economic Development Nature and scope of agricultural economics- Agriculture and economic development, Models of agricultural development (Schultz, Lewis, Fei & Ranis, Jorgenson, Todaro, Mellor, and Boserup) - Interdependence between agriculture and industry- Terms of trade between agriculture and industry.

UNIT II:

Economic Decisions in Agriculture Production- Factor-product relationship - Production functions- Cobb Douglas, CES & Spillman- Factor-factor relationship- Product-product relationship- Resource-use efficiency Farm-size productivity debate- Capital formation in agriculture- Public versus private investment- Complimentarily versus substitutability debate- Classification of costs- Farm planning and farm budgeting- Systems of farm organization.

UNIT III:

Behaviour of Demand, Supply and Agricultural Prices Price determination of agricultural commodities- Elasticity of demand and supply of agricultural commodities- Cob-web theorem- Nerlovian supply response model-Prices instability- Role of public intervention in price determination and distribution

of agricultural commodities- Agricultural price policy in India- Instruments of price policy- Crop insurance CACP- Output subsidy- PDS- Food inflation.

UNIT IV:

Agricultural Marketing Agribusiness- Market structure of agricultural commodities- Marketed and marketable surplus- Distress sales- Defects of markets- Regulated markets- Co-operative markets. Market intelligence- Futures trading. 90

UNIT V:

Structural and Institutional Changes in Indian Agriculture Area, production & productivity trends- Changing cropping pattern- Factors affecting cropping pattern- Agricultural development under five year plans- Green revolution Agricultural inputs- HYV seeds- Farm mechanization- Fertilizer use efficiency- Crop irrigation technology- Input subsidies- Second green revolution- Ever green revolution ICAR-Land reforms- Institutional and non-institutional sources of agricultural credit NABARD- Co-operative credit, Rural indebtedness- Agricultural labour and wages- National Agricultural Policy 2000- National Commission on Farmers- WTO and Indian agriculture DOHA Agreement.

Course outcome

CO1: students would be able to know the importance and the interdependence of agriculture sector with other sectors

CO2: Students would be able to understand the theories, models and different systems related to the subject

CO3: Students become aware about the production, demand, and supply and price determination of agricultural products.

CO4: Enable students to know about agri-business and different market situations

CO5: Students would be able to understand different types of credit, reforms and policies and the impact of each of them

CO-PO mapping

CO	Attributes	PO1	PO2	PO3	PO4	PO5
CO1	students would be able to know the importance and the interdependence of agriculture sector with other sectors	3	2	3	2	2
CO2	Students would be able to understand the theories, models and different systems related to the subject	3	2	3	2	2
CO3	Students become aware about the production, demand, and supply and price determination of agricultural products	3	2	3	2	2

CO4	Enable students to know about agri-business and different market situations	2	2	3	2	2
CO5	Students would be able to understand different types of credit, reforms and policies and the impact of each of them	2	2	3	2	2

Lingaya's Vidyapeeth

BA Economics

Session: 2021-22

BEC-310: Corporate Governance

L-4 T-0

Credit-4

Objective: The course aims to provide knowledge of corporate governance, procedures, and techniques in accordance with current legal requirements and professional standards.

Unit 1: Introduction Corporate Governance -

Meaning, significance and principles, Management and corporate governance; Theories and Models of corporate governance; Agency theory and separation of ownership and contract; ownership structure and firm performance; Whistle blowing, Class Action; Role of Institutional investors. Codes and Standards on Corporate Governance- Sir Adrian Cadbury Committee 1992 (UK), OECD Principles of Corporate Governance and Sarbanes Oxley (SOX) Act, 2002 (USA).

Unit 2:

Directors and Shareholders Powers of directors; Duties of directors; Non-executive directors and their duties; Relationship between board and shareholder; Board structure and Independent director, board committees and their functions. Shareholder expectations; Regulatory requirements for shareholder involvement shareholder activism and proxy advisory firms. Role of rating agencies.

Unit 3:

Major Corporate Governance Failures and International Codes BCCI (UK), Maxwell Communication (UK), Enron (USA), World.Com (USA), Andersen, Worldwide (USA), Vivendi (France), Satyam

Computer Services Ltd, Lehman Brothers, Kingfisher Airlines, PNB Heist and IL&FS Group Crisis;
Common Governance Problems Noticed in various Corporate Failures;

Unit 4:

Corporate Governance Framework in India Initiatives and reforms- Confederation of Indian Industry (CII) (1997), Kumar Mangalam Birla (1999), NR Narayana Murthy Committee (2005) and Uday Kotak Committee (2017). Regulatory framework: Relevant provisions of the Companies Act, 2013, SEBI: Listing Obligations and Disclosure Requirements Regulations (LODR), 2015. Corporate Governance in the public sector, banking, non- banking financial institutions.

Unit 5:

Business Ethics and Corporate Social Responsibility (CSR) Business Ethics and Values; Importance of Ethics; Corporate Governance and Ethics; Ethical theories; Code of Ethics and ethics committee. Concept of Corporate Social Responsibility; CSR and Corporate Sustainability, CSR and Business Ethics, CSR and Corporate Governance, CSR and Corporate Philanthropy; Environmental Aspect of CSR, Models and benefits of CSR, Drivers of CSR; CSR in India.

Suggested Readings:

Gupta, K., & Arora, A. (2015). Fundamentals of Auditing. New Delhi: Tata Mc-Graw Hill Publishing India. Kumar A., Gupta L., & Arora, R. J. (2016). Auditing and Corporate Governance. Delhi: Taxmann Pvt. Ltd. Mallin, C. A. (2018). Corporate Governance. New Delhi: Oxford University Press.

Rani, G. D., & Mishra, R. K. (2017). Corporate Governance-Theory and Practice. New Delhi: Excel Books. Sharma, J. P. (2016). Corporate Governance, Business Ethics, and CSR. New Delhi: Ane Books Pvt. Ltd. Tricker, B.(2015). Corporate Governance-Principles, Policies, and Practice (Indian Edition). New Delhi: Oxford University Press. Institute of Chartered Accountants of India, Auditing and Assurance Standards, ICAI, New Delhi. www.icai.org

Course Outcome:

CO1:The students are having an idea about Business Ethics and Law and Ethical Decision Making.

CO2:The students should know the Impact of Globalization on Indian Business Ethics and Major Indian Scams.

CO3:The students should be aware of ethical issues and how it could be impacts on Marketing, HRM and Financial Issues.

CO4:The students are effectively known the Corporate Governance and its principles and practices around the globe.

CO5:The students can be able to aware of Corporate Governance and its implications in Indian Scenario and role of various interested parties towards company.

CO	Attributes	PO1	PO2	PO3	PO4	PO5
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CO1	The students are having an idea about Business Ethics and Law and Ethical Decision Making.	3	2	3	2	2
CO2	The students should know the Impact of Globalization on Indian Business Ethics and Major Indian Scams.	3	2	1	2	2
CO3	The students should be aware of ethical issues and how it could be impacts on Marketing, HRM and Financial Issues.	1	2	3	2	1
CO4	The students are effectively known the Corporate Governance and its principles and practices around the globe	1	-	2	3	1
CO5	The students can be able to aware of Corporate Governance and its implications in Indian Scenario and role of various interested parties towards company.	1	2	2	1	1