

CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA

ACCREDITED BY NAAC WITH 'A' GRADE

Affiliated to University of Calicut



COURSE PLAN

BACHELOR ARTS

EVEN SEMESTER

(ACADEMIC YEAR 2020-2021 ONWARDS)

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SEMESTER II				
Course	Code	Name of the Course	Hours	credit
Common IV	CC19UENG 2A03	Common English Course III	4	4
Common V	CC19UENG 2A04	Common English Course IV	5	4
Common VI	CC19U2A08 (1)	Additional Language Course II	4	4
Core 2	CC19UECO2 B02	Macroeconomics I	6	5
Complementary (Type 2-Course I)	CC19UPS2 C O2		6	4
Ability Enhancement/Audit 2	CC19UAUD 2E02	Disaster Management	--	4
Total			25	25





CHRIST COLLEGE

(A U T O N O M O U S) I R I N J A L A K U D A - K E R A L A

COURSE PLAN

BA ECONOMICS

SECOND SEMESTER

Mentor	Sr. Rosy V. O.	
Head of the Department	Sr. Rosy V. O.	

CC19UECO2 B02 MACROECONOMICS I

No. of Credits: 5, No. of Contact Hours: 6 Hours per week

SYLLABUS

Module I: Introduction to Macroeconomics

Nature, scope and limitations of macroeconomics – Macroeconomic model – Types of variables: Stock and flow, endogenous and exogenous, ex-ante and ex-post – static, comparative static and dynamic – equilibrium and disequilibrium - Circular flow of income and output- national income and its measurement-Production approach, Expenditure approach, Income approach--Real and Nominal GDP.

Module II: Classical macroeconomics

Classical Economy – Say's Law of Market – Wage-price flexibility – Classical model of output and employment – Classical theory of price level determination – Quantity theory of Money – Fisher's Equation of Exchange – Cash Balance Approach - Neutrality of Money – Money illusion-Classical dichotomy-Classical response to the Great Depression-Crisis in the discipline of Economics

Module III: Keynesian macroeconomics

Effective demand - Aggregate demand and aggregate supply – Consumption, Investment and Government Expenditure (C+I+G)-Autonomous Consumption and Induced Consumption-Keynesian Consumption function-investment function-MEC and MEI- Sticky prices and wages-Assumption of fix price-Keynesian Cross model and determination of equilibrium output-Multiplier-Inflationary and Deflationary gaps-Fiscal Policy-Understanding fiscal policy using Keynesian Cross model-tax multiplier-government expenditure multiplier-balanced budget multiplier.

Module IV: Money

Nature of money-types-functions-time preference-interest rate: real and nominal- bond- relationship between bond price and interest rate-Theories of Demand for money-Liquidity Preference theory and Keynesian Liquidity Trap-Friedman's re-statement of Quantity Theory of Money. Theories of Supply of money-Measuring supply of money-High powered money-money multiplier.

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. AbhijitKundu (2009) : Methodology and Perspectives of Social Science – Pearson Education 8
7. Dornbusch, Fischer and Startz-MacroEconomics-Tata McGraw –Hill

Additional References:

1. Lipsey R. and A Chrystal – Economics (11th Edition) Oxford University Press New Delhi.
2. NicoliNattrass and G.VisakhVarma, ‘Macroeconomics simplified: understanding Keynesian and Classical Macroeconomic Systems’, Sage India Publications, 2014

OBJECTIVES

- a. To understand the working of an economy at the aggregate level.*
- b. To familiarize students with different schools of thoughts in Macro Economics.*

COURSE OUTCOME

CO1	Explain the various concepts and nature of Macroeconomics.
CO2	Identify key macroeconomic indicators and measures of economics change.
CO3	To know the various theories of Classical and Keynesian school of thought
CO4	Identify the phases of the business cycle and the problems caused by cyclical fluctuations in the market economy
CO5	Define money and the money supply; describe the process of money creation by the banking system and the role of the central bank.

LESSON PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module I Introduction to Macroeconomics 15 hours	Nature, scope and limitations - Models- Types of variables – comparative static and dynamic – Circular flow of income and output- national income and its measurement-Real and Nominal GDP.	<ul style="list-style-type: none"> Lecture Discussion Participative learning Experiential Learning 	<ul style="list-style-type: none"> Peer Group Discussion on National income and related concepts. Calculation of National Income 	<ul style="list-style-type: none"> Understand the various concepts and nature of Macroeconomics. Understand the relationship among economic variables 	Evaluation Through MCQ
Module II: Classical macroeconomics 25 Hours	Classical Economy – Say's Law of Market – Classical model of output and employment – Classical theory of price level determination – Quantity theory of Money - Neutrality of Money – Money illusion-Classical dichotomy-Classical response to the Great Depression-Crisis in the discipline of Economics	<ul style="list-style-type: none"> Lecture Discussion Participative learning 	<ul style="list-style-type: none"> Students were asked to collect information on real life situations to justify the main theories of classical schools Peer Group Discussion on classical response to great depression 	<ul style="list-style-type: none"> Identify key macroeconomic indicators and measures of economics change. Understand various theories of Classical school of thought 	Evaluation through class test and Viva voce
Module III: Keynesian macroeconomics 25 Hours	Effective demand - Consumption, Investment and Government Expenditure (C+I+G)- Autonomous and Induced Consumption- Consumption and investment function- Keynesian model of output-	<ul style="list-style-type: none"> Lecture Discussion Experiential Learning 	<ul style="list-style-type: none"> Peer Group Discussion on Keynesian Theories 	Understand various theories of Keynesian school of thought	Evaluation through tests and MCQ

	Multiplier-Inflationary and Deflationary gaps-Fiscal Policy- Keynesian Cross model-tax multiplier-government expenditure multiplier-balanced budget multiplier.				
Module IV: Money 15 Hours	Nature -types-functions-interest rate - bond-relationship - Liquidity Preference theory - Friedman's re-statement of Quantity Theory of Money. Theories of Supply of money--High powered money-money multiplier.	<ul style="list-style-type: none"> • Discussion with the help of power Point presentation • Problem solving • Experiential Learning 	Peer Group Discussion on theories of money	Define money and the supply; describe the process of money creation by the banking system and the role of the central bank.	Evaluation through tests

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1:	Introduction to Macroeconomics	15			
Unit 1.	Nature, scope and limitations of macroeconomics	3	Check the knowledge related to macroeconomics and national income	Lecture and discussion	Make note on scope of macro economics
Unit 2.	Macroeconomic model	2	Read about model building	Discussion	Make a note on macroeconomic model
Unit 3.	Types of variables	3	Refresh ideas on macroeconomics variables	Lecture and Illustration	Differentiate macroeconomic variables
Unit 4.	Circular flow of income and output	3	Brush up knowledge on GNP & GDP	Discussion	Make notes on Circular flow of income and output

Unit 5.	National income and its measurement	4	Read about national income calculation	Lecture and Illustration	Survey data analysis
Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Unit 6.	Real and Nominal GDP.	2	Read about GDP	Discussion	Differentiate Real and Nominal GDP.
Module 2	Classical macroeconomics	25			
Unit 1.	Classical Economy and Say's Law of Market	3	Read about classical economists	Lecture and Illustrations	Make a short note on Say's Law of market
Unit 2.	Wage-price flexibility	2	Check the knowledge about wage and price	Lecture and discussion	Make a short note on wage price flexibility
Unit 3.	Classical model of output and employment	6	Read about output and employment determination	Lecture and Illustrations	Short presentation by PLG
Unit 4.	Classical theory of price level determination	6	Read about price determination	Lecture and Illustrations	Collect views of different economists on price level determination
Unit 5.	Superiority of Cash balance approach over cash transaction approach	2	Check the knowledge about cash balance and cash transaction	Discussion	Comment on the cash balance approach over cash transaction approach
Unit 6.	Classical dichotomy	3	Read about classical dichotomy	Discussion	Make a note on classical dichotomy
Unit 7.	Classical response to the Great Depression	3	Review literature on Great Depression	Discussion	Make a note on classical response to great depression
Module 3	Keynesian macroeconomics	25			
Unit 1	Effective demand	3	Revise the knowledge about AD & AS	Lecture and Illustrations	Presentation
Unit 2	Consumption, Investment and Government Expenditure	2	Revise the knowledge about C, I & G	Discussion	Make a note on expenditures
Unit 3	Autonomous Consumption and Induced Consumption	1	Read about autonomous and	Discussion	Make a not on autonomous and induced

			induced consumption		consumption
Unit 4	Keynesian Consumption function	4	Check the knowledge about Keynes	Lecture and Illustrations	Short presentation by PLG
Unit 5	investment function	2	Read about investment function	Lecture and Illustrations	Presentation
Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Unit 6	Sticky prices and wages	2	Check the knowledge about price and wage	Discussion	Make a not on Sticky prices and wages
Unit 7	Keynesian Cross model and determination of equilibrium output	4	Read about Keynesian theories	Lecture and Illustrations	Presentation
Unit 8	Multiplier	2	Check the knowledge about multiplier	Lecture and Illustrations	Presentation
Unit 9	Inflationary and Deflationary gaps	2	Check the knowledge about inflation and deflation	Lecture and Illustrations	Make a not on Inflationary and Deflationary gaps
Unit 10	Fiscal Policy	3	Read about fiscal policy	Discussion	Review recent Fiscal Policies
Module 4	Money	15			
Unit 1.	Nature, types and functions of money	2	Check the knowledge about money	Illustrations	Make a not on functions of money
Unit 2.	relationship between bond price and interest rate	2	Check the knowledge about bond	Lecture and Illustrations	Find relation between bond price and interest rate
Unit 3.	Theories of Demand for money	4	Read about demand for money	Lecture and Illustrations	Make a not on theories of demand for money
Unit 4	Theories of Supply of money	2	Read about supply of money	Lecture and Illustrations	Presentation
Unit 5	Measuring supply of money	2	Check the knowledge about money supply	Lecture and Illustrations	Short presentation by PLG

Unit 6	High powered money	1	Read about high powered money	Illustrations	Make a note on high powered money
Unit 7	money multiplier	2	Check the knowledge about multiplier	Discussion	Short presentation by PLG

Teacher in Charge: Sr. Rosy V. O.

POL 1 (2) CO1: INTRODUCTION TO POLITICAL SCIENCE AND GOVERNMENTAL STRUCTURES

Lecture Hours per week: 6, Credits: 4
Internal: 20, External: 80, Examination 2.5 Hours

Objectives.

This introductory course would help students to understand the origin, meaning and importance of Political Science, different approaches in the discipline, meaning and elements of state and sovereignty. This course also helps students to comprehend the theory of separation of powers, three organs of government, and types of government. The discussion about the role of political parties, interest groups, pressure groups and proportional representation is another focus of the course.

MODULE I

Concept of Political Science: Meaning, nature, Scope and Importance

Approaches: Traditional – Modern – Behavioural – Post-Behavioural and Marxian (15 hours, 20 Marks)

MODULE II

State: Meaning, Elements of the State - Theories of the origin of the state - with special reference to Evolutionary theory and Marxian Theory.

Sovereignty: Meaning and Characteristics, Types of Sovereignty – Monistic and Pluralistic interpretations.
 (20 hours, 15 marks)

MODULE III

Theory of Separation of Powers - Organs of Government: Legislature, Executive, Judiciary - structure and functions- Judicial review, Judicial activism, Independence of Judiciary (20 hours. 20 Marks)

MODULE IV

Forms of Government: Unitary and Federal – Parliamentary and Presidential – Characteristics –Merits and Demerits
 (20 hours, 15 Marks)

MODULE V

Elections and Representation – Political Parties – Pressure Groups – Interest Groups –types and functions - Proportional Representation and Representation of Minorities (15 hours – 10 Marks)

Reference Books:

1. Dr. Durga Das Basu, Introduction to the constitution of India, LexisNexis.

2. J.C. Johari, Comparative Politics, Sterling Publications
3. O.P. Gauba, An Introduction to Political Theory, Macmillan, 6th edition.
4. M, Laxmikanth, Indian Polity, McGraw Hill, 6th edition.
5. Niraja Gopal Jayal and Pratap Bhanu Mehta, The oxford companion to politics in India, Oxford University press, 2010

OBJECTIVE

- a) To understand the origin, meaning and importance of Political Science, different approaches in the discipline, meaning and elements of state and sovereignty.
- b) To comprehend the theory of separation of powers, three organs of government, and types of government.
- c) To acquire deeper understanding about election process, political parties and pressure and interest groups.

COURSE OUTCOMES

CO1	To understand the importance and role of political science and its approaches
CO2	To understand the meaning, elements and types of state and sovereignty
CO3	To understand the three organs of government and how they are separated
CO4	To understand different forms of government around the world and their features
CO5	To understand the election process in India and different methods of representations.

LESSON PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module 1 Introduction to political science 15 Hours	Definitions-Scope- Nature- Importance- Approaches	<ul style="list-style-type: none"> • Discussion • Participative learning 	<ul style="list-style-type: none"> • Peer Group Discussion on importance of political science 	To understand the importance and role of political science and its approaches	Evaluation Through MCQ
Module-2 State and sovereignty 20 Hours	Meaning- Elements-Origin of state, Sovereignty- Meaning-Feature- Types	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Group discussion on practicality of sovereignty 	To understand the meaning, elements and types of state and sovereignty	Participation in discussions
Module-3 Separation of power 20 Hours	Separation of power-checks and balances-Organs of government	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Peer group discussion 	To understand the three organs of government and how they are separated	Evaluation through tests
Module-4: Forms of government 20 Hours	Unitary and Federal – Parliamentary and Presidential – Characteristics – Merits and Demerits	<ul style="list-style-type: none"> • Discussion • Lecture with the help of power Point presentation 	<ul style="list-style-type: none"> • Group discussion on parliamentary form of government 	To understand different forms of government around the world and their features	Evaluation through tests
Module-5: Elections and Representation 15 Hours	Political Parties – Pressure Groups – Interest Groups – types and functions - Proportional Representation and Representation of Minorities	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Case Study about legislative assembly elections in Kerala and Tamil Nadu. 	To understand the election process in India and different methods of representations.	Evaluation through tests

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1	Introduction to political science	15			
Unit 1.	Definitions, scope nature and importance of political science	7	Check the knowledge in political science	Lecture and Discussion	To make short notes on the meaning and nature of political science
Unit 2.	Approaches to the study of Political science.	8			
Module 2	State and sovereignty	20			
Unit 1.	Meaning and Importance of state	2	Study about the concept of state	Lecture and Discussion	Short note on the importance of state.
Unit 2.	Elements of state	4	To learn elements of state	Lecture and Discussion	Short essay on challenges of government
Unit 3	Theories on origin of state	6	To understand evolution theory	Lecture and Discussion	Comparative analysis on evolutionary theory and Marxist theory of state
Unit 4	Meaning and importance of sovereignty	4	Understand four features of sovereignty	Lecture and Discussion	Essay on the challenges of sovereignty in contemporary world
Unit 5	Types and features of sovereignty	4			
Module 3	Separation of power	20			
Unit 1	Separation of Power	2	To understand		Short notes on the

			the historical background of separation of power	Lecture and Discussion	concept of separation of power
Unit 2	Checks and balances	2	To read on the concept checks and balances	Lecture and Discussion	Note on the history of checks and balances
Unit 3	Organs of government	16	To get the functions of the each organ of government	Lecture and Discussion	Essay on the organs of government.
Module 4	Forms of government	20			
Unit 1.	Unitary form of government – Features-merits and demerits	5	To differentiate between unitary and federal forms of governments	Lecture and Discussion	Notes on Indian federal structure.
Unit 2.	Federal form of government – Features-merits and demerits	5			
Unit 3.	Parliamentary form of government – Features-merits and demerits	5	To differentiate between parliamentary and presidential forms of governments	Lecture and Discussion	Short essay on the comparative analysis and Indian and American presidential system
Unit 4	Presidential form of government – Features-merits and demerits				
Module 5	Elections and Representation	15			
Unit 1	Political parties-types-functions	5	To read about party system in India	Lecture and Discussion	To write about the one party dominance in India
Unit 2	Pressure groups-Interest groups-types-functions	5	To learn the differences between interest groups and pressure groups	Lecture and Discussion	Short case studies on the success of pressure groups
Unit 3	Types of representations	5	To study different methods of representations	Lecture and Discussion	Essay on dalit and communal political representation in India

Teacher in Charge: Mr. Muhammed Ajmal P C

SEMESTER IV

Course	Code	Name of the Course	Hours	credit
Common IX	CC19UENG4A06	Common English Course VI	5	4
Common X	CC19U4A10	Additional Language Course IV	5	4
Core 5	CC19UECO4B05	Quantitative Methods for Economic Analysis II	5	4

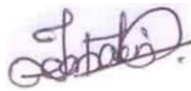

Core 6	CC19UECO4B06	Macroeconomics II	4	4
Complementary (Type 1-Course 2)	CC19UHis4C01		6	4
Ability Enhancement/ Audit 4	CC19UAUD4E04	Gender Studies/Gerontology	-	4
Total			25	24



COURSE PLAN

BA ECONOMICS

FOURTH SEMESTER

Mentor	Jean Maria George	
Head of the Department	Sr. Rosy V. O.	

ECO4 B05 QUANTITATIVE METHODS FOR ECONOMIC ANALYSIS – II

Lecture Hours per week: 4,
Internal: 20, External: 80,

Credits: 4
Examination 2.5 Hours

Objectives:

The objective is to give a rigorous overview of quantitative methods to the undergraduate students. The course is designed to give the necessary ideas and tools to understand the working of an economy both in theoretical and mathematical way.

Module I: Differential Calculus Limits and Continuity – Differentiation- Rules, Derivative of single variable and multi variable Functions (except Trigonometric and logarithmic Function), Higher Order Derivatives. Maxima and Minima of Functions. Curvature Properties-Convexity and Concavity. Application of derivatives in economics – Marginal Concepts, Elasticity, Optimisation.

Module II: Index Numbers and Time Series Analysis Index Numbers: Meaning and Uses- Unweighted and Weighted Index Numbers: Laspeyre's, Paasche's, Fisher's, Drobish-Bowley, Marshall-Edgeworth and Kelley's Methods - Tests of Index Numbers: Time Reversal and Factor Reversal tests. Base Shifting, Splicing and Deflating. Special Purpose Indices - Wholesale Price Index, Consumer Price Index and Stock Price Indices: BSE- SENSEX and NSE-NIFTY. Time Series Analysis-Components of Time Series, Measurement of Trend by Moving Average and the Method of Least Squares.

Module III: Vital Statistics Vital Statistics: Meaning and Uses- Fertility Rates: Crude Birth Rate, General Fertility Rate, Specific Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate - Mortality Rates: Crude Death Rate, Specific Death Rate, Standardised Death Rate, Infant Mortality Rate and Maternal Mortality Rate-Sex Ratio and Couple Protection Ratio.

Module IV: Fundamentals of probability* Basic probability concepts – mutually exclusive and collectively exhaustive events – statistically independent events – statistically independent events. Types of probability –A Priori Classical probability – Empirical Classical Probability – Subjective Probability. Rules of probability – the general addition rule – the general multiplication rule. Marginal, joint and conditional probabilities – simple (marginal) probability – joint probability – conditional probability. Bayes' Theorem – general form of Bayes' theorem

References

- 1) Dowling Edward.T, Mathematical Methods for Business and Economics, Schaums Outline Series, McGraw Hill, 1993.
- 2) Dowling Edaward.T, Introduction to Mathematical Economics, 2nd/3rd Edition, Schaum's

Outline Series, McGraw-Hill, New York, 20033) Taro Yamane, Mathematics for Economists: An Elementary Survey, Prentice Hall of India

4) Geoff Renshaw, Maths for Economics, 2/e, Oxford University Press, India

5) Teresa Bradley, Paul Patton, Essential mathematics for economics and business, 2nd ed, WileyIndia

6) Barauh.S, Basic Mathematics and Its Application in Economics, Macmillan, 2002.

7) David M. Levine et al., Quantitative Techniques for Management, 1/e, Pearson Education, ISBN :9788131772485 (Basic reference for module 4)

8) Anderson, Sweeney and Williams, Statistics for Business and Economics, Thomson Education

9) Lind D.A., W.G. Marchal and S.A Wathen., Statistical Techniques in Business and Economics, Tata McGraw Hill, New Delhi.

10) Gupta S. P, Statistical Methods, Sultan Chand and Sons, New Delhi.

OBJECTIVES

- a. To familiarize the students in the application of mathematics and statistics to economics.*
- b. To develop skill in economic reasoning, which help them in understanding and solving*

COURSE OUTCOME

CO1	To understand the basic mathematical calculation.
CO2	To provide understandings of basics probability, differential calculus
CO3	To provide the student with analytical skills which will assist him in identifying the current state especially in the case of vital events.
CO4	Identify various problems associated with vital events.

LESSON PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module 1 Differential Calculus Limits and Continuity 25 hours	Basics of Differentiation, Limits and Continuity	<ul style="list-style-type: none"> • Discussion • Lecture with the help of power Point presentation 	<ul style="list-style-type: none"> • Problem solving 	To understand the differentiation calculation	Evaluation through tests
Module-2 Index Numbers and Time Series Analysis 25 Hours	Definition of Index Numbers and types-	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning 	<ul style="list-style-type: none"> • Group Discussion on index numbers • Group assignments and seminars 	To understand about <ul style="list-style-type: none"> • Index numbers • Types of index numbers and Time series analysis 	Evaluation through tests and practical analysis sessions
Module-3 Vital Statistics 15 Hours	Vital events	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Group Discussions • Seminars 	To understand <ul style="list-style-type: none"> • Vital events and its 	Evaluation through tests and common discussions
Module-4: Fundamentals of probability 15 Hours	Basics of probability	Problem solving	Peer Group problem solving	To understand the <ul style="list-style-type: none"> • Probability aspects 	Evaluation through tests

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre-class activity	Pedagogy (in class)	Out of class assignment
Module 1	Differential calculus Limits and Continuity	25			
Unit 1.	Differentiation- Rules, Derivative of single variable and multi variable Functions (except Trigonometric and logarithmic Function), Higher Order Derivatives. Maxima and Minima of Functions. Curvature Properties- Convexity and Concavity. Application of derivatives in economics	15	To understand the differentiation	Lectures and problem solving	Derive the solution
Unit 2	Marginal Concepts, Elasticity, Optimisation	10	To understand the marginal concepts through mathematics	Lectures and problem solving	Derive optimisation
Module 2	Index Numbers and Time Series Analysis	25			
Unit 1.	Index Numbers: Meaning and Uses- Unweighted and Weighted Index Numbers: Laspeyre's, Paasche's, Fisher's, Dorbish-Bowley, Marshall-Edgeworth and Kelley's Methods - Tests of Index Numbers: Time Reversal and Factor Reversal tests. Base Shifting, Splicing and Deflating. Special Purpose Indices - Wholesale Price Index, Consumer Price Index	15	To know about index numbers and its types	Lecture, Illustrations and problem solving	Make presentations on index numbers

	and Stock Price Indices: BSE-SENSEX and NSE-NIFTY.				
Module Number	Topic	No. of Lecture Hours	Pre-class activity	Pedagogy (in class)	Out of class assignment
Unit 2.	Time Series Analysis-Components of Time Series, Measurement of Trend by Moving Average and the Method of Least Squares.	10	To learn the basics of Time series analysis	Lecture discussions and problem solving	Make a study on the Time series analysis
Module 3	Vital Statistics	20			
Unit 1	Vital Statistics: Meaning and Uses- Fertility Rates: Crude Birth Rate, General Fertility Rate, Specific Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate	10	To understand vital events like birth rate	Lectures, Illustrations and discussions	Current status of birth
Unit 2	Mortality Rates: Crude Death Rate, Specific Death Rate, Standardised Death Rate, Infant Mortality Rate and Maternal Mortality Rate-Sex Ratio and Couple Protection Ratio.	10	To understand the death rate	Lectures and Discussions	Current status of death
Module 4	Fundamentals of probability	20			
Unit 1.	Basic probability concepts – mutually exclusive and collectively exhaustive events – statistically independent events – statistically independent events. probabilities – simple (marginal) probability – joint probability –	10	To know about the probability	Lectures and problem solving	Analyze the probability
Unit 2.	Types of probability –A Priori Classical probability – Empirical Classical Probability – Subjective Probability. Rules of probability – the conditional probability. Bayes' Theorem – general form of Bayes' theorem general addition rule – the	10	To understand about the types of probability	Illustrations ,Lectures and problem solving	Types of probability

	general multiplication rule. Marginal, joint and conditional				
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Teacher in Charge : Sasi C

CC19UECO4 B06 MACROECONOMICS – II

Lecture Hours per week: 4, Credits: 4

Internal: 20, External: 80, Examination 2.5 Hours

Objectives:

The objective is to give a rigorous overview of macroeconomics to the undergraduate students. The course is designed to give the necessary ideas and tools to understand the working of an economy at the aggregate level.

Module I : ISLM Model

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

Module 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.

Module 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.

Module 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.

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.

OBJECTIVES

- a. *To familiarize the students in the application of principles of macroeconomic analysis to the day-to-day decision-making in the aggregate economy.*
- b. *To develop skill in economic reasoning, which help them in understanding and solving aggregate economic problems.*

COURSE OUTCOME

O1	To understand the basic ISLM model and the general equilibrium analysis.
CO2	To provide understandings of basic economic problems of inflation, unemployment and business cycle and different controlling measures
CO3	To provide the student with analytical skills which will assist him in identifying the current state of the economy and future developments
CO4	Identify the phases of the business cycle and the problems caused by cyclical fluctuations in the market economy

LESSON PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module 1 ISLM Model 20 hours	Basics of ISLM model – IS and LM curves	<ul style="list-style-type: none"> • Discussion • Lecture with the help of power Point presentation 	<ul style="list-style-type: none"> • Group Discussions 	To understand <ul style="list-style-type: none"> • the general equilibrium condition in an economy 	Evaluation through tests
Module-2 Theories of Inflation and Unemployment 20 Hours	Inflation – Definition - Types. Meaning and types of unemployment -	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning 	<ul style="list-style-type: none"> • Group Discussion on inflation and unemployment • Group assignments and seminars 	To understand about <ul style="list-style-type: none"> • inflation and unemployment in detail • the relationships between inflation and unemployment 	Evaluation through tests and practical analysis sessions
Module-3 Short Run Analysis 20 Hours	Business Cycle- meaning- types	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Group Discussions • Seminars 	To understand <ul style="list-style-type: none"> • Business cycle and its details • Measures to control business cycle 	Evaluation through tests and common discussions
Module-4: Fiscal and Monetary Policy 20 Hours	Basics of fiscal and monetary policies	<ul style="list-style-type: none"> • Discussion • Participative learning 	Peer Group Discussion on nature and functions of money	To understand the <ul style="list-style-type: none"> • Fiscal and monetary policy and its effectiveness 	Evaluation through tests

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1 :	ISLM Model	20			
Unit 1.	Goods market equilibrium using IS curve-derivation and shifts	10	To understand the IS curve and its derivation	Lectures	Derive IS curve
Unit 2	Money market equilibrium using LM curve-derivation and shifts-equilibrium using IS and LM.	10	To understand the LM curve and its derivation	Lectures	Derive LM curve
Module 2	Theories of Inflation and Unemployment	20			
Unit 1.	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	10	To know about inflation and its different types	Lecture and Illustrations	Make presentations on current inflation situation of the country

Unit 2.	. 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.	10	To learn the basics of unemployment	Lecture and discussions	Make a study on the current unemployment situation in the country
Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 3	Short Run Analysis	20			
Unit 1	Business Cycles-Phases-Theories of trade cycles-Hawtrey's theory- Hayek's theory- Keynesian theory- Monetarist interpretation of trade cycles	10	To understand business cycle and its types	Lectures, Illustrations and discussions	Current business cycle analysis of the economy
Unit 2	Contra-cyclical policy measures-Monetary, fiscal, and incomes policy - Meaning and Instruments.	10	To know about the concepts of fiscal and monetary policy	Lectures and Discussions	Application of current fiscal and monetary policy
Module 4	Fiscal and Monetary Policy	20			
Unit 1.	Fiscal policy-tools-effectiveness-Monetary policy-tools-effectiveness-Interaction between fiscal and monetary policy	10	To know about the instruments of fiscal and monetary policy	Lectures	Analyze the effectiveness of fiscal and monetary policy

Unit 2.	Unconventional Monetary Policy-Quantitative easing-Transmission mechanism. Great recession of 2008 and use of monetary and fiscal policy	10	To understand about the unconventional monetary policy	Illustrations and Lectures	Application of monetary and fiscal policy
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Teacher in Charge : Jean Maria George

SEMESTER VI

Semester	Course	Course Code	Title of Paper	Hours per Week	Credits	Max. Marks		
						IE*	EE**	Total
VI Semester	Core 11	ECO6 B11	Macroeconomics - II	5	4	20	80	100
	Core 12	ECO6 B12	Mathematical Economics	5	4	20	80	100
	Core 13	ECO6 B13	Public Finance	5	4	20	80	100
	Core 14	ECO6 B14	Development Economics	5	4	20	80	100
	Elective (To choose 1 out of 3)	ECO6 E02	Applied Theory of Markets	3	2	20	80	100
	Project Work	ECO6 B15 (Pr)		2	4	10	40	50
Total Credits					22			

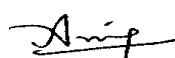



COURSE PLAN

2020-2021

SIXTH SEMESTER

BA ECONOMICS

Mentor	Ann Mary Cherian	
Head of the Department	Sr. Rosy V. O.	

CC17UECO6 B11 MACROECONOMICS – II

Lecture Hours per week: 5,

Credits: 4

Internal: 20,

External: 80,

Examination 2.5 Hours

No. Hours: 80

Objectives:

The objective is to familiarize the students in the application of principles of macroeconomic analysis to the day-to-day decision-making in the aggregate economy.

Module I: Theories of Money

Nature and Functions of Money - Types of Money: Near money, inside money and outside money.1. Theories of Demand for money - Defining demand for money - Classical theory of demand for money - Friedman's re-statement of Quantity Theory of Money – Liquidity Preference theory and Keynesian Liquidity Trap.2. Theories of Supply of money - Defining supply of money - Measuring supply of money - High powered money & money multiplier

Module II: Theories of Inflation and Unemployment

Inflation – Definition - Types of Inflation - Measurement of inflation in India - Effects of inflation- Sacrifice ratio-Inflationary gap-Theories of inflation- Demand pull versus cost push inflation-Mixed inflation-Structural inflation- Measures to control inflation-Meaning and types of unemployment - Cost of unemployment and Okun's law - Phillips curve - Modified Phillips curve - Long run Phillips curve - Stagflation - reasons.

Module III: Macro economic Instability and Policy:

Business Cycle- meaning- types and phases- Theories of trade cycles- Hawtrey's theory- Hayek's theory- Keynesian theory-Monetarist interpretation of trade cycles-Contracyclical policy measures-Monetary, fiscal, and income policy - Meaning and Instruments.

Module IV: Open Economy Macro Economics:

Definition and derivation of IS curve - Shift in the IS curve - Definition and derivation of LM curve - Shift in the LM curve - General equilibrium in the ISLM model - Relative effectiveness of monetary and fiscal policy – Derivation of IS and LM curves for an open economy - Definition and derivation of the BP curve - Shift in the BP curve - General equilibrium of an open economy using IS-LM-BP curves.

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 Duilio – Macro economic Theory, Shaum’s Outline series.
5. Tata McGraw Hill
6. Errol D’Souza – Macro Economics’ – Pearson Education 2008.
7. AbhijitKundu (2009) : Methodology and Perspectives of Social
8. Science – PearsonEducation
9. Dornbusch, Fischer and Startz-MacroEconomics-Tata McGraw –Hill

OBJECTIVES

- a. To familiarize the students in the application of principles of macroeconomic analysis to the day-to-day decision-making in the aggregate economy.
- b. To develop skill in economic reasoning, which help them in understanding and solving aggregate economic problems.

COURSE OUTCOME

CO1	To acquire knowledge about the basics of demand and supply of money
CO2	To provide understandings of basic economic problems of inflation, unemployment and business cycle and different controlling measures
CO3	To provide the student with analytical skills which will assist him in identifying the current state of the economy and future developments
CO4	To acquaint the students with fundamental macroeconomic problems and their policy solution.
CO5	To promote understanding of alternative macroeconomic theories and policies

LESSON PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module 1 Theories of Money 20 hours	Nature and Functions of Money - Types of Money	<ul style="list-style-type: none"> • Discussion • Participative learning 	<ul style="list-style-type: none"> • Peer Group Discussion on nature and functions of money 	To understand the importance of: <ul style="list-style-type: none"> • money and its functions • types of money • demand and supply of money 	Evaluation through MCQ and tests
Module-2 Theories of Inflation and Unemployment 20 Hours	Inflation – Definition - Types of Inflation - Measurement of inflation in India - Effects of inflation. Meaning and types of unemployment - Cost of unemployment	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning 	<ul style="list-style-type: none"> • Group Discussion on inflation and unemployment • Group assignments and seminars 	To understand about <ul style="list-style-type: none"> • inflation and unemployment in detail • the relationship between inflation and unemployment 	Evaluation through tests and practical analysis sessions
Module-3 Macro economic Instability and Policy 25 Hours	Business Cycle- meaning- types and phases	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Group Discussions • Seminars 	To understand <ul style="list-style-type: none"> • Business cycle and its details • Measures to control business cycle 	Evaluation through tests and common discussions
Module-4: Open Economy Macro Economics 25 Hours	Basics of ISLM model – IS and LM Fiscal and Monetary Policy	<ul style="list-style-type: none"> • Discussion • Lecture with the help of power Point presentation 	<ul style="list-style-type: none"> • Group Discussions 	To understand the general equilibrium condition in an economy	Evaluation through tests

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1 :	Theories of Money	20			
Unit 1.	Nature and Functions of Money - Types of Money: Near money, inside money and outside money	4	Check the knowledge in basics of macroeconomics, demand and supply of money	Lecture and Discussion	To make short notes on different types of money and its updates
Unit 2.	Theories of Demand for money - Defining demand for money - Classical theory of demand for money - Friedman's re-statement of Quantity Theory of Money – Liquidity Preference theory and Keynesian Liquidity Trap	8			
Unit 3.	Theories of Supply of money - Defining supply of money - Measuring supply of money - High powered money & money multiplier	8			
Module 2	Theories of Inflation and Unemployment	20			
Unit 1.	Inflation – Definition - Types of Inflation - Measurement of inflation in India - Effects of inflation- Sacrifice ratio-Inflationary gap-Theories of inflation- Demand pull versus cost push inflation-Mixed inflation-Structural inflation- Measures to control inflation	10	To know about inflation and its different types	Lecture and Illustrations	Make presentations on current inflation situation of the country

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Unit 2.	Meaning and types of unemployment - Cost of unemployment and Okun's law - Phillips curve - Modified Phillips curve - Long run Phillips curve - Stagflation - reasons.	10	To learn the basics of unemployment	Lecture and discussions	Make a study on the current unemployment situation in the country
Module 3	Macro economic Instability and Policy	20			
Unit 1	Business Cycle- meaning- types and phases- Theories of trade cycles- Hawtrey's theory- Hayek's theory- Keynesian theory-Monetarist interpretation of trade cycles	10	To understand business cycle and its types	Lectures, Illustrations and discussions	Current business cycle analysis of the economy
Unit 2	Contracyclical policy measures- Monetary, fiscal, and income policy - Meaning and Instruments.	10	To know about the concepts of fiscal and monetary policy	Lectures and Discussions	Application of current fiscal and monetary policy
Module 4	Open Economy Macro Economics	20			
Unit 1.	Definition and derivation of IS curve - Shift in the IS curve - Definition and derivation of LM curve - Shift in the LM curve	10	To understand the IS and LM curve and its derivations	Lectures	Derive IS and LM curves and its shifts
Unit 2.	General equilibrium in the ISLM model - Relative effectiveness of monetary and fiscal policy	10	To understand the general equilibrium situation	Illustrations and Lectures	Analyze the effectiveness of fiscal and monetary policy
Unit 3.	Derivation of IS and LM curves for an open economy - Definition and derivation of the BP curve - Shift in the BP curve - General equilibrium of an open economy using IS-LM-BP curves	10	To understand the IS and LM curve and its derivations in an open economy	Illustrations and Lectures	Analyze the effectiveness of fiscal and monetary policy in an open economy

Teacher in Charge : Jean Maria George

CC15UECO6 B12 MATHEMATICAL ECONOMICS

Lecture Hours per week: 5, Credits: 4

No. of Contact Hours: 90, Examination 3 Hours

Objectives: The main objective of this course is to introduce the students of such fundamental topics in Mathematics and its applications in Economics. This course is expected to provide students a comprehensive approach towards the analytical skills.

SYLLABUS

Module I: Introduction to mathematical Economics:

Mathematical economics Meaning and importance- Mathematical representation of Economic Models- Economic functions: Demand function, Supply Function, Utility Function, Consumption Function, Production Function, Cost function, Revenue Function, Profit Function, Saving Function, Investment Function (10 hours)

Module II: Marginal Concepts:

Marginal Utility, Marginal propensity to consume, Marginal Propensity to Save, Marginal Product, Marginal Cost, Marginal Revenue, Marginal rate of Substitution, Marginal Rate of Technical Substitution- Relationship between Average revenue and marginal revenue- Relationship between Average Cost and Marginal cost- Elasticity: Price elasticity, Income elasticity, Cross elasticity (20 hours)

Module III: Optimisation:

Optimisation of single/multi variable function, - Constraint optimisation with Lagrange Multiplier- significance of Lagrange multiplier. Economic applications: Utility maximization, Cost minimization, Profit maximization (25 hours)

Module IV: Production function:

Linear Programming and Input-Output analysis: Production function: homogeneous and non-homogeneous. Degree of homogeneity and returns to scale- Properties of Cobb Douglas Production function. Production Possibility Curve. Linear Programming- Basic Concept, Nature of feasible, basic and optimal solution; Graphic solution. Input-Output analysis- Matrix of technical co-efficient- the Leontief matrix- computation of total demand for a two/three sector economy (25 hours).

Module V: Market Equilibrium: Perfect Competition, Monopoly- Discriminating Monopoly

Reference Books

1. Dowling E T, Introduction to mathematical economics, 2nd Edition, Schaum's Outline Series, McGraw-Hill, New York, 2003 (ETD).
2. Chiang A. C and K Wainwright, Fundamental Methods of mathematical Economics, tata McGraw-Hill Education; Fourth edition (2013).
3. Henderson, J. M and R. E Quandt (1980), Micro Economic Theory: A Mathematical

Approach, McGraw Hill, New Delhi.

4. James Bradfield, Jeffrey Baldani, An Introduction to Mathematical Economics, Cengage Learning India Pvt Ltd (2008).

5. A. Koutsoyiannis, Modern Microeconomics, Palgrave Macmillan; 2nd Revised edition (2003)

Objectives

1. To familiarize students with fundamental topics in Mathematics and its application in Economics.
2. To provide students a comprehensive approach towards the skill development

COURSE OUTCOME

CO1	To interpret the importance of mathematics in economics
CO2	Explain the conceptual bases of economics and mathematics
CO3	Restate in own words the process of optimization
CO4	Explaining the marginal concepts used in economics
CO5	Appraise the contemporary problem-solving methods.
CO6	Develop the idea related to various markets.

LESSION PLAN

Unit/ session/ hours	Topics for student preparation (input)	Procedure Student centric Method of teaching	Activity	Learning outcome (output)	Assessm ent
Module I: Introducti on to mathemat ical Economic s: 10 Hou rs	Mathematical economics Meaning and importance- Mathematical representation of Economic Models- Economic functions: Demand function, Supply Function, Utility Function, Consumption Function, Production Function, Cost function, Revenue Function, Profit Function, Saving Function, Investment Function	<ul style="list-style-type: none"> • Lecture • Discussion • Particip ative learnin g • Problem solving 	<ul style="list-style-type: none"> • Peer Group Discussion on importanc e of developme nt indices 	Students should be able to: <ul style="list-style-type: none"> • Interpret the various concepts economics through mathematic s. • Explain the functions used in economics 	Evaluat ion through MCQ
Modul e II: Magin al Conce pts 20Hou rs	Marginal Utility, Marginal propensity to consume, Marginal Propensity to Save, Marginal Product, Marginal Cost, Marginal Revenue, Marginal rate of Substitution, Marginal Rate of Technical Substitution- Relationship between Average revenue and marginal revenue- Relationship between Average Cost and Marginal cost- Elasticity: Price elasticity, Income elasticity, Cross elasticity	<ul style="list-style-type: none"> • Lecture • Discussion • Particip ative learnin g. • Proble m solving 	<ul style="list-style-type: none"> • Revision of various concepts of economics studied earlier by allotting one concept for each Peer Learning Group to present 	Students should be able to: <ul style="list-style-type: none"> • Restate in own words the different concepts and its calculation 	Evaluatio n through Viva

Module III Optimisation 25 Hours	Optimisation of single/multi variable function, - Constraint optimisation with Lagrange Multiplier- significance of Lagrange multiplier. Economic applications: Utility maximization, Cost minimization, Profit maximization	<ul style="list-style-type: none"> Lecture Discussion Participative learning Problem solving 	<ul style="list-style-type: none"> Peer Group Discussion and lecture on those topics and its calculation. 	Students should be able to: <ul style="list-style-type: none"> To understand the significance of optimisation process under various circumstances. 	Evaluation through test
Module IV Production Function, Linear Programming and Input-Output analysis. 25 Hours	Production function, Linear Programming and Input-Output analysis: Production function: homogeneous and non-homogeneous. Degree of homogeneity and returns to scale- Properties of Cobb Douglas Production function. Production Possibility Curve. Linear Programming- Basic Concept, Nature of feasible, basic and optimal solution; Graphic solution. Input-Output analysis- Matrix of technical co-efficient- the Leontief matrix- computation of total demand for a two/three sector economy	<ul style="list-style-type: none"> Lecture Discussion problem solving 	<ul style="list-style-type: none"> Peer Groups were asked to learn the important topics under this. 	Students should be able to: To understand different production functions, Linear programming and its solution through graphs and problems, Input-Output analysis and its calculation.	
Module V Market Equilibrium 10 Hours	Perfect Competition, Monopoly and Discriminating Monopoly	<ul style="list-style-type: none"> Lecture Discussion problem solving 	<ul style="list-style-type: none"> Peer Groups were asked to learn the important topics under this. 	To understand various markets and its equilibrium.	

UNIT WISE BREAK UP

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1:	Introduction to mathematical Economics	10			
Unit 1.	-Meaning and importance- Mathematical Representation	5	Check the knowledge in basic concepts	Lecture and Discussion	Make short notes on the different aspects of mathematical economics
Unit 2.	Functions	5	Check the knowledge in basic concepts	Lecture and Discussion	Calculation of various functions
Module 2	Marginal concepts	20			
Unit 1.	Various marginal concepts	10	To understand the concept of marginal	Lecture Illustrations and presentations	Problem Solving
Unit 2.	Relationship between average and marginal	5	To learn the relations of cost and revenue in average and marginal terms	Lecture Illustrations and presentations	Problem Solving
Unit 3	Elasticity	5	To understand the importance of elasticity	Lecture Illustrations and presentations	Problem Solving

Module 3	Optimisation	20			
Unit 1	Optimisation in general	10	Briefing about optimisation	Lecture and Discussing	Problem solving
Unit 2	Optimisation: constrained and non-constrained	10	Specified optimisation process	Lectures and presentations	Problem solving
Module 4	Production function, Linear Programming and Input-Output analysis	20			
Unit 1.	Production Function	5	Understand various production function	Lectures and Illustrations	Mathematical Properties of Cobb-Douglas production function
Unit 2.	Linear Programming	10	Familiarizing the importance of optimization	Lectures and Illustrations and problem solving	Assignment
Unit 3.	Input-Output analysis	10	Realize the relationship between various sectors	Lectures and Illustrations and problem solving	To make short notes
Module V Unit 1	Market equilibrium Perfect Competition- Monopoly and Discriminating Monopoly	10	Identify different markets	Lecture Illustrations and presentations and problem solving	Assignment

Teacher in Charge: Sasi C

ECO6 B13 PUBLIC FINANCE

Course Category: Core Course 13

Course Title and Code: Public Finance, ECO6 B13

No. of Credits: 4

No. of Contact Hours: 80

Syllabus

Module 1: Origin, growth, meaning and scope of public finance- Public and private finance-Principle of MSA-Public goods and private goods-mixed goods and merit goods (concepts only with examples)

Module 2: Public expenditure and cost benefit analysis – meaning and importance of public expenditure with special reference to India-Wagner ‘s, Peacock-Wiseman Hypothesis-Canons of Public expenditure-effects of public expenditure on the economy of India-investment evaluation, project evaluation and cost benefit analysis with suitable examples.

Module 3: Public revenue and Income tax calculation- Sources of Public revenue-tax and nontax-classification of taxes-canons and principles of taxation- Ability to pay- cost of service and Benefit-impact, incidence and shifting of tax burden- effects of taxation- major taxes in India like income tax, VA, GST- calculation of personal and corporation of personal and corporation income tax (with suitable examples).

Module 4: Public Debt and Budget in India- Public Debt and Debt management in India- Debt redemption- Budgeting in India- importance-types- Principles- procedures of budgeting- revenue and capital budgets- zero base budgeting- performance budgeting- primary deficit- revenue and capital deficit- budget deficit- fiscal policy with reference to India- contra cyclical fiscal policy- deficit financing and black money in India.

Module 5: Federal and local finance in India- meaning and importance- function of finance commissions- jurisdictions of finance commission – Centre, State financial relations- local finances-functions and revenues.

OBJECTIVES

- a. *To familiarize student with the terms and concepts related to public finance and in fiscal instruments used by the government in fiscal policy*
- b. *To enable student to grasp the importance of fiscal policy for the stability of the economy and the use of various fiscal instruments with monetary policy to achieve this stability in the economy.*

COURSE OUTCOME

CO1	To understand the importance, role and its functions of Public Finance
CO2	To understand the significance of relationship among Public Expenditure and Cost Benefit Analysis
CO3	To understand the significance of Public Revenue and its classification of taxes and non-tax revenue
CO4	To understand the significance of fiscal policy, contra cyclical fiscal policy, deficit financing, and black money with reference to India.
CO5	To understand the significance of Centre, State financial relations- local finances- functions and revenues.

LESSION PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module 1 Introduction to Public Finance 15 hours	Origin, growth, meaning and scope of public finance-	<ul style="list-style-type: none"> • Discussion • Participative learning 	Peer Group Discussion on Role of Public Finance in Every Economy	To understand the importance, role and its functions of Public Finance	Evaluation Through MCQ
Module-2 Public expenditure and cost benefit analysis 20 Hours	Meaning and importance of public expenditure and cost benefit analysis	<ul style="list-style-type: none"> • Lecture • Discussion • Data Analysis 	Secondary data study Public Expenditure analysis	To understand the significance of Public expenditure relationship among Public Expenditure and Cost Benefit Analysis	Data analysis of the Public expenditure and its cost benefit analysis with the theories they learn in this module

Module-3 Public revenue and Income tax calculation 15 Hours	Sources of Public revenue-tax and nontax-cans and principles of taxation	<ul style="list-style-type: none"> • Lecture • Discussion • Classification 	<ul style="list-style-type: none"> • Comparative Study of Tax and Non Tax revenue of Government 	To understand the significance of Public Revenue and its classification of taxes of public revenue and non tax revenue	Evaluating, Students Classification skill of public revenue
Module-4: Public Debt and Budget in India 20 Hours	Concepts of Public Debt, Debt Management - Debt Redemption- & Budgeting in India	<ul style="list-style-type: none"> • Discussion • Lecture with the help of power Point presentation • Problem solving 	<ul style="list-style-type: none"> • Case Study 	To understand the significance of fiscal policy, contrast cyclical fiscal policy, deficit financing, and black money with reference to India.	Evaluation through tests, and evaluating skill of students through Seminar
Module-5: Federal and Local Finance in India 20 Hours	Meaning, Importance and functions of finance commissions	<ul style="list-style-type: none"> • Lecture • Discussion • Problem solving 	<ul style="list-style-type: none"> • Case Study 	To understand the significance of Centre, State financial relations- local finances- functions and revenues.	Evaluation through tests. Assignments

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1 :	Introduction to Public Finance	10			

Unit 1.	Definition and Meaning of Public Finance	5	Check the knowledge in public Finance	Lecture and Discussion	To make short notes on the features, and classification Public Finance
Unit 2.	Characteristics Public goods and private goods-mixed goods and merit goods	5			
Module 2	Public expenditure and cost benefit analysis	20			
Unit 1.	Public expenditure	5	To read about problems of Public Expenditure	Lecture and Illustrations	Short note
Unit 2.	Investment evaluation, project evaluation and cost benefit analysis	5	To learn the steps in evaluation	Lecture	Classification of Public Expenditure with Cost Benefit analysis
Unit 3	Effects of public expenditure on the economy of India	10	To understand the estimation	Lecture and Discussion	Secondary data analysis
Module 3	Public revenue and Income tax calculation	20			
Unit 1	Public revenue and Income tax calculation-	5	To understand different types of revenue for government	Lecture	Assignment
Unit 2	Classification, Canons and Principles of taxation	5	To Analyse the different types of Taxation	Discussion , Classification	Assignment
Unit 3	Major taxes in India like income tax, VA, GST-	10	To realize the different fiscal	Discussions and Lecture	Seminar

			policy in deficit financing		
Module 4	Public Debt and Budget in India	10			
Unit 1	Public Debt and Budget in India-	3	To understand different types of budgeting	Illustrations and Discussions	Classification budgeting in India after independence
Unit 2	Public Debt and Debt management in India-	3	To Analyse the Debt redemption	Lecture and Discussion	Short note
Unit 3	Contra Cyclical Fiscal policy & deficit financing in India.	4	To realize the different fiscal policy in deficit financing	Lecture and Discussion	Seminar
Module 5	Federal and Local Finance in India	20			
Unit 1	Meaning and Importance- Federal and local finance in India-	6	To know about problems of federal finance in India	Lecture	To write about the meaning definition and scope of federal finance
Unit 2	Function and Jurisdictions of finance commission	7	To learn the different functions of finance commissions	Lecture	Short case studies & Seminar
Unit 3	Centre, State financial relations	7	To plot single line graphs	Lecture & Discussions	Seminar

Teacher in Charge: Dr Franco T. Francis

CC15UECO6- DEVELOPMENT ECONOMICS

Lecture Hours per week: 5, Credits: 4

No. of Contact Hours: 90, Examination 3 Hours

Objectives: The main objective of this course is to introduce the students of such fundamental topics in development and planning with their inter relations. This course is expected to provide students a comprehensive approach towards issues related to development and planning.

SYLLABUS

Module I: Perspectives on Development Economics: Why Study Development economics? - Meaning of Growth and Development indicators of development - measurement of development – Alternative measures of development: GDP, PCI, PQLI, HDI, HPI, GDI, GEM, Multi-Dimensional Poverty index etc - (15 hours)

Module II: Theories of Development: Theories of Development Rostow's (stage theory) - Balanced versus Unbalanced growth theory, Low-level equilibrium trap, vicious circle of poverty, critical minimum effort, Big Push theory. (25 hours)

Module III: Economic Planning: Economic Planning in India: Indian planning in a historical perspective: - Bombay plan, Gandhian Plan, People's plan. Five-year plans in India – an overview - Details of current five-year plan (25 hours)

Module IV: Issues in development: Poverty and its measurement (Head count ratio, poverty gap and HPI) - Inequality and its measurement (Kuznets's Ratio, Coefficient of variation, Lorenz curve and Gini coefficient), Gender issues – the concept of missing women. Environment versus development – the concept of sustainable development, limits to growth, global warming. (25 hours)

Reference Books

1. AmartyakumarSen, Growth Economics, Penguin Education,1970
2. A N Agarwala and S P Singh, The economics of underdevelopment, Oxford university press,1958.
3. A P Thirlwall, Growth and development, with special reference to developing countries, (8ed), Palgrave Macmillian, 2006

OBJECTIVES

- a. *To familiarize students with fundamental topics in development and planning with their inter relations.*
- b. *To provide students a comprehensive approach towards issues related to development and planning.*

COURSE OUTCOME

COURSE OUTCOME	
CO1	To interpret the various perspectives of economic growth and development
CO2	Explain the conceptual bases of income measurement, physical quality of life index, poverty, inequality and development gap
CO3	Restate in own words the different theories of growth and development
CO4	Justify the role of planning in economic growth and development
CO5	Appraise the contemporary issues in economic growth and development
CO6	Develop the policies suitable for addressing issues in developing and developed countries

LESSION PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assess ment
Module I: Perspectives on Development Economics 15 Hours	-Definitions- Meaning of development - Measurement/ indicators of Economic Development	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning • Problem solving 	• Peer Group Discussion on importance of development indices	Students should be able to: <ul style="list-style-type: none"> • Interpret the various perspectives of economic growth and development • Explain the conceptual bases of income measurement, physical quality of life index, poverty, inequality and development gap 	Evaluati on through MCQ
Module II: Theories of Development 25 Hours	-Rostow's (Stage Theory) -Low-Level Equilibrium Trap, -Critical Minimum Effort, -Big Push Theory.	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning 	• Revision of theories by allotting one theory for each Peer Learning Group to present	Students should be able to: <ul style="list-style-type: none"> • Restate in own words the different theories of growth and development 	Evaluatio n through Viva
Module III Economic Planning 25 Hours	-Economic Planning in India: -Five-year plans in India – an overview	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning 	• Peer Group Discussion on Economic Planning in India	Students should be able to: <ul style="list-style-type: none"> • To understand the significance of Economic Planning in India 	Evaluatio n through test

				<ul style="list-style-type: none"> To justify the role of planning in economic growth and development 	
Module IV Issues in development 25 Hours	Inequality -Environment versus development	Lecture <ul style="list-style-type: none"> • Discussion • Experiential learning and problem solving • 	Peer Groups were asked to collect information on development issues in India and were asked to present the same. <ul style="list-style-type: none"> • Peer Group Discussion on measures to address environmental issues in India 	Students should be able to: <ul style="list-style-type: none"> • To understand different the environment development tradeoff • To appraise the contemporary issues in economic growth and development 	Evaluation through test

UNIT WISE BREAK UP

LECTURE HOURS: 80

Module Number	Topic	No. of Lecture Hours	Pre-class activity	Pedagogy (in class)	Out of class assignment
Module 1:	Perspectives on Development Economics	15			
Unit 1.	-Definition and -Meaning of Development- -Development Versus growth	5	Check the knowledge in basic concepts	Lecture and Discussion	Make short notes on the different indices of development
Unit 2.	-Measurements of Development- -Alternative measures of Development.	10	Check the knowledge in basic concepts	Lecture and Discussion	Calculation of HDI and PQLI
Module 2	Theories of Development	25			

Unit 1.	Stage theory	10	To understand the stages of development	Lecture Illustrations and presentations	Short presentation by PLG
Unit 2.	Theories of Development	5	To learn the different theories of Development	Lecture Illustrations and presentations	Short presentation by PLG
Unit 3	Vicious Circle of poverty	5	To understand the cause of poverty and underdevelopment in UDCs	Lecture Illustrations and presentations	Review Virtuous circle

Module 3	Economic Planning	25			
Unit 1	-Economic Planning in India: -Indian planning in a historical perspective: (Bombay plan, Gandhian Plan, People 's plan)	10	Read the history of Indian planning (Studied in Political Science)	Lecture and Discussions	Review the effectiveness of NITI AAYOG

Module Number	Topic	No. of Lecture Hours	Pre-class activity	Pedagogy (in class)	Out of class assignment
Unit 2	-Five-year plans in India – an overview –Details of current five-year plan	15	Understand the importance of Five-Year Plans in India	Lectures and presentations	Short presentation by PLG
Module 4	Issues in development	25			
Unit 1.	-Poverty – measurement and classification	5	Understand the level of poverty in India	Lectures and Illustrations	Head count ratio problems Poverty index calculations

Unit 2.	-Inequality and its measurement (Kuznets's Ratio, Coefficient of variation, Lorenz curve and Gini coefficient),	10	Identify different types of inequalities in India	Lectures and Illustrations	Lorenz curve problems CV problems
Unit 3.	-Gender issues – the concept of missing women.	3	Realize the missing women concept	Lectures and Illustrations	To make short notes on gender issues in Kerala
Unit 4	-Environment versus development -Sustainable development, - Limits to growth, global warming	12	Identify different environmental issues in India	Lecture Illustrations and presentations	Frame policy suggestions to overcome environmental issues in Kerala on the basis of a case study

Teacher in Charge: Mrs. Ann Mary Cherian

ECO6 E02 APPLIED THEORY OF MARKETS

Lecture Hours per week: 3, Credits: 4

Internal: 10, External: 40, Examination 1 Hours

No. of Contact Hours: 72

Objectives

This course is intended to introduce the students to the basics of marketing and consumer behaviour.

Module I Markets and Marketing 20 Hours

Classification of Markets- criteria for classification-Markets with competition Vs markets without competition-marketing-definition, concepts, significance and functions of marketing- approaches to the study of marketing

marketing and e-commerce- market segmentation-definition-needs and benefits-base for segmentation for consumer goods, industrial goods and services-effective segmentation criteria; definition of target marketing, evaluating market segments, target market strategies-undifferentiated, differentiated, and concentrated- Marketing environment:- analyzing needs and trends-macro environment-political, economic, socio-cultural and technical environment-PEST analysis, concept market potential and market share- marketing in Indian context.

Module II Consumer Behaviour 15 hours

Consumer behaviour-assumptions: rational consumer, budget constraint, consumer preferences, consumer behaviour: - concept, characteristics of consumer and organizational markets, five step buyer's decision process. Factors influencing buying decision-cultural, social, personal and psychological factors-buying process-consumer adaptation process-changing pattern of consumer behaviour in global economy.

Module III Product and Pricing decision 15 hours

Product and pricing decision-concept of product; product line and product mix- new product development; packaging and branding; brand extensions; pricing decisions, factors influencing price decision; pricing strategies; product life cycle stages and strategic marketing decisions. Sales promotion- objectives, tools and techniques

Module IV Distribution decision 10 hours

Distribution decision- marketing channels, structure, types and criteria of selecting a channel, wholesaling, retailing, and physical distribution. E-marketing distribution

Module V Promotion 12 Hours

Promotion- an overview. Advertising, sales promotion, personal selling and sales management. Public and consumer relations, direct and online marketing, multi-level marketing-the new marketing model.

Reference

1. Philip Kotler, Marketing Management| Pearson Education 13 edition
2. Joel R evans and Barry Berman – Marketing in 21st century|, Biztantra 2003.
3. William Pride and O. C. Ferrel- Marketing concept and strategies, Boston, Houghton

OBJECTIVES

- a. *To familiarize the students in the regarding the marketing and its related strategies.*
- b. *To study the behaviour of consumers in different markets*

COURSE OUTCOME

CO1	To acquire knowledge about the basics of marketing
CO2	To provide understandings of consumer behaviour
CO3	To provide the student with analytical skills which will assist him in identifying the pricing process
CO4	To acquaint the students with fundamentals of distribution and the distribution channel
CO5	To promote understanding of buying decision

LESSON PLAN

Unit/ session/ hours (time Required)	Topics for student preparation (input)	Procedure (process) Student centric Method of teaching	Activity	Learning outcome (output)	Assessment
Module 1 Markets and Marketing 20 hours	Concept of Marketing	<ul style="list-style-type: none"> • Discussion • Participative learning 	<ul style="list-style-type: none"> • Peer Group Discussion on nature of markets 	To understand the importance of markets and marketing.	Evaluation through MCQ and tests

Module-II Consumer Behaviour 15 Hours	Consumer behaviour, buying decision, budget constraint	<ul style="list-style-type: none"> • Lecture • Discussion • Participative learning 	<ul style="list-style-type: none"> • Group Discussion on consumer behaviour • Group assignments and seminars 	To understand about <ul style="list-style-type: none"> • Consumer behaviour • Buying decision 	Evaluation through tests and practical analysis sessions
Module-III Product and Pricing decision 15 Hours	Definition of product and its price determination	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Group Discussions • Seminars 	To understand <ul style="list-style-type: none"> • Features of a product. • Price determination 	Evaluation through tests and common discussions
Module-IV: Distribution decision 10 Hours	Distribution and distribution channels	<ul style="list-style-type: none"> • Discussion • Lecture with the help of power Point presentation 	<ul style="list-style-type: none"> • Group Discussions 	To understand Distribution and the channel	Evaluation through tests
Module-V Promotion 12 Hours	Concept of Promotion	<ul style="list-style-type: none"> • Promotion Channel 	<ul style="list-style-type: none"> • Group Discussion 	To understand the promotion channels	Evaluation through test

UNIT WISE BREAK UP

LECTURE HOURS: 72

Module Number	Topic	No. of Lecture Hours	Pre- class activity	Pedagogy (in class)	Out of class assignment
Module 1 :	Markets and Marketing	20			
Unit 1.	Classification of Markets- criteria for classification-Markets with competition Vs markets without competition-marketing-definition, concepts, significance and functions of marketing- approaches to the study of marketing-marketing and e-commerce-	8	Check the knowledge in basics of marketing	Lecture and Discussion	To make short notes on marketing
Unit 2.	market segmentation-definition-needs and benefits-base for segmentation for consumer goods, industrial goods and services-effective segmentation criteria; definition of target marketing, evaluating market segments, target market strategies-undifferentiated, differentiated, and concentrated- Marketing environment:- analyzing needs and trends-macro environment-political, economic, socio-cultural and technical environment	8			
Unit 3.	-PEST analysis, concept market potential and market share-marketing in Indian context	4			
Module 2	Consumer Behaviour	15			
Unit 1.	Consumer behaviour-assumptions: rational consumer, budget constraint, consumer preferences, consumer behaviour: - concept, characteristics of	9	To know about consumer behaviour in general	Lecture and Illustrations	Make presentations on consumer behaviour

	consumer and organizational markets, five step buyer's decision process.				
Unit 2.	Factors influencing buying decision-cultural, social, personal and psychological factors-buying process-consumer adaptation process-changing pattern of consumer behaviour in global economy.	6	To learn the buying decision	Lecture and discussions	Make a study on the buying decision
Module 3	Product and Pricing decision	15			
Unit 1	Product and pricing decision-concept of product; product line and product mix- new product development; packaging and branding; brand extensions; pricing decisions, factors influencing price decision; pricing strategies; product life cycle stages and strategic marketing decisions.	12	To understand pricing decision	Lectures, Illustrations and discussions	Product and pricing decision
Unit 2	Sales promotion- objectives, tools and techniques	3	To know about the concepts of sales promotion	Lectures and Discussions	Application of present sales promotion strategies
Module IV	Distribution decision	10			
Unit 1.	Distribution decision- marketing channels, structure, types	5	To understand the distribution decisions	Lectures	Marketing channels and its structure identification
Unit 2.	criteria of selecting a channel, wholesaling, retailing, and physical distribution. E-marketing distribution	5	To understand the criteria of distribution channel	Illustrations and Lectures	Analyze the effectiveness of the criteria of the distribution

					channel.
Module V	Promotion	12			
Unit 1.	Promotion- an overview. Advertising, sales promotion, personal selling and sales management	4	To understand the promotion in general	Illustrations and Lectures	Analyze the effectiveness of promotion
Unit 2	Public and consumer relations, direct and online marketing, multi- level marketing-the new marketing model.	8	To understand the consumer relation management	Lectures and explanation	Realizing the different marketing model

Teacher in Charge : Sasi C