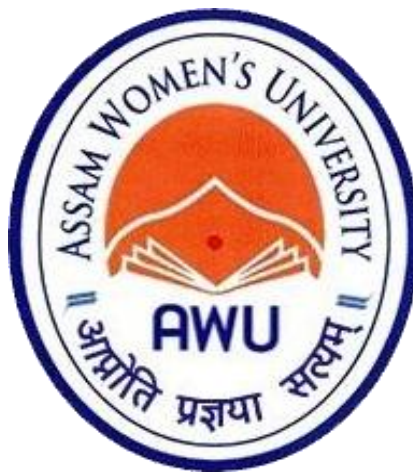


Syllabus for Five Year Integrated Post Graduate Programme (FYIPGP)



**Department of Economics
School of Social Science &
Humanities**

**Assam Women's University
Jorhat, Rowriah-04**

Department of Economics

The department of economics has been founded in 2015 along with a few departments. Since its inception, the department has witnessed many bright students and has been successful in contributing to the cause of society by producing efficient human resources. The Department supports postgraduate programme (M. A. in Economics) which draw a huge number of applicants from all over the North-Eastern states of India. As recommended by the University Grants Commission (UGC) and proposed for implementation by Assam Women's University, the Department of Economics works to implement the relevant components of New Education Policy (NEP), 2020 for Five Year Integrated Post Graduate Program (FYIPGP).

Programme Outcomes:

The programme outcomes of the Five Year Post Graduate Programme in Economics are listed below. After completing the programme the students should be able to-

PO1: To classify economic theories and correlate various models, and to connect statistical, econometric and mathematical tools of Economics to articulate socio-economic issues and develop viable solutions.

PO2: To distill key macroeconomic indicators and measures of economic change, growth and development.

PO3: To illustrate how economy is influenced by economic policy, technological advances and demographic conditions.

PO4: To relate historical developments in economic thought with contemporary challenges.

PO5: To develop the scientific temperament towards conducting research to resolve socio-economic problems of the society.

PO6: To design the entrepreneurial mindset, that will lead to opening up own business avenues using available resources.

Course Structure of Five-Year Integrated Post Graduate Programme (FYIPGP)

Semester I

Course	Course Code	Name of the Course	Level	Credit	Remarks
Major	IPECMJ1401	Fundamentals of Economics I	100	4	
Minor	IPECMN1401	Basics of Economics I	100	4	The course shall be taken by the students from other disciplines other than Department of Economics
Multidisciplinary Generic Elective	IPECMD1301	Economics of Rural Development	100	4	The course shall be taken by the students from other disciplines other than Department of Economics
Ability Enhancement Course				4	
Value Added Course I	IPVA1207	Economic Survey and Union Budget		3	
Skill Enhancement	IPECSE1301	Data Analysis And Interpretation		3	
				22	

Semester II

Course	Course Code	Name of the Course	Level	Credit	Remarks
Major	IPECMJ2401	Fundamentals of Economics II	100	4	
Minor	IPECMJ2401	Basics of Economics II	100	4	The course shall be taken by the students from other disciplines other than Department of Economics
Multidisciplinary Generic Elective	IPECMD2301	Human Resource Development	100	4	The course shall be taken by the

					students from other disciplines other than Department of Economics
Ability Enhancement Course				4	
Value Added Course	IPVA2207	Sustainable Banking and Financial Inclusion		3	
Skill Enhancement	IPECS2301	Portfolio Economics		3	
				22	

Semester III

Course	Course Code	Name of the Course	Level	Credit	Remarks
Major 1	IPECMJ3401	Microeconomic Analysis	200	4	
Major II	IPECMJ3402	Macroeconomic Analysis	200	4	
Minor	IPECMJ3401	Fundamentals of Development Economics		4	The course shall be taken by the students from other disciplines other than Department of Economics
Multidisciplinary Generic Elective	IPECMD3401	Money and Banking		4	The course shall be taken by the students from other disciplines other than Department of Economics
Ability Enhancement				3	
Skill Enhancement	IPECSE3202	Research Paper Writings		3	
				22	

Semester IV

Course	Course Code	Name of the	Level	Credit	Remarks
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		Course			
Major I	IPECMJ4401	Mathematics for Economic Analysis I	200	4	
Major II	IPECMJ4402	Economics of Growth and Development	200	4	
Major III	IPECMJ4403	International Economics I	200	4	
Major IV	IPECMJ4404	Public Economics I	200	4	
Minor	IPECMN4401	Introduction to Indian Economy		4	The course shall be taken by the students from other disciplines other than Department of Economics
Ability Enhancement Course				3	
Value Added Course	IPVA3205	Financial Literacy		3	
				22	

1st Semester

Major Course

Fundamentals of Economics I : IPECMJ1401

L:3 T:1 P:0

Credit: 4

Total Class Hours: 64

Distribution of marks: 80 (End semester) +20 (internal) =100

Sl no.	Module	L	T	P	Total
1	Module1	12	4	0	16
2	Module2	12	4	0	16
3	Module3	12	4	0	16
4	Module4	12	4	0	16

Course Objective:

To introduce the fundamental concepts of microeconomics before the students and to help them grasp the basic concepts of economic trade-offs and allocation of resources in order to deal with the problem of scarcity.

Course Outcome:

On completion of this course the students will be able to: -

CO1:Identify the basics and elementary concepts of microeconomics.

CO2: Develop the foundation in demand and supply that is essential for market analysis

CO2: Illustrate the various concept of market and its relation with economy.

CO4:Sketch the basic structure of Indian Economy.

Module 1: Nature, Scope and Subject Matter of Economics:

Meaning of Economics and its importance, The Economic Problem: Scarcity and Choices. The Scope of Economics and Problems of Economy, Positive and Normative Economics, Micro v/s Macro Economics, Goals of Micro Economics, Basic tool of Economics: Production Possibility Frontier and Opportunity Cost.

Module 2: Demand and Supply

Demand function: Definition and Significance; Individual Demand, Law of Demand, Reasons of law of Demand, Slope of Demand curve, Market Demand Function, Factors determining demand, Derived Demand; Elasticity of Demand; Supply function: Its meaning and significance; Relationship between price and Quantity Supplied; Slope of supply curve, Factors determining Supply, Elasticity of supply curve.

Module 3: Market Analysis and Economy:

Meaning of Market, Types of Market: Perfect Competition, Monopoly market, Monopolistic Market, Oligopoly Market. Revenue: Total Revenue, Average Revenue, Marginal Revenue and their relationship. Price Output determination and Profit Maximisation. Price Discrimination, Degree of Monopoly Power. Consumers and Producers Equilibrium.

Module 4: Characteristics of Indian Economy:

Basic Characteristics of Indian Economy: Dualistic Economic Structure, Mixed Economy, Planned Developing Economy; Issues in Indian Economy: Economic Growth and Development, Determinants of Economic Development, Obstacles on Economic Development, Structural Change during Development.

Suggested Readings:

- Henderson, J.M. & Quandt, R.E.: Micro Economic Theory, Mc Graw Hill.
- Varian Hal R., Intermediate Microeconomics, Eight Edition, W.W. Norton & Company
- Koutsoyiannis, A.: Modern Microeconomics, ELBS with Macmillan Publication.
- Maddala, G.S. and Miller, E.: Microeconomics, Theory and Applications; McGraw Hill
- Pindyck, R.S., Rubinfeld, D.L. & Mehta: Microeconomics, Pearson Education
- Salvatore, D.: Microeconomics, Theory and Applications, Oxford University Press.
- Ahuja, H.L., Advanced Economic Theory – Micro Economic Analysis, S. Chand & Company Ltd
- Karl E. Case and Ray C. Fair, Principles of Economics, 9th Ed.; Pearson Education Inc.
- Hal R. Varian, Intermediate Microeconomics A Modern Approach, W. W. Norton & Company, Inc.

Minor Course

Basics of Economics I IPECMN1401:

L: 3 T: 1 P: 0

Credit: 4

Total Class Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module1	12	4	0	16
2	Module2	12	4	0	16
3	Module3	12	4	0	16
4	Module4	12	4	0	16

Course Objective:

To introduce the fundamental concepts of microeconomics before the students and to help them grasp the basic concepts of economic trade-offs and allocation of resources in order to deal with the problem of scarcity.

Course Outcome:

On completion of this course the students will be able to:-

CO1: Summarize the basics and elementary concepts of Economics.

CO2: Develop the foundation in demand and supply that is essential for market analysis.

CO3: Illustrate the various concept of market and its relation with economy.

CO4: Sketch the basic structure of Indian Economy.

Module 1: Nature, Scope and subject matter of Economics:

Meaning of Economics and its importance, The Economic Problem: Scarcity and Choices. The Scope of Economics and Problems of Economy, Positive and Normative Economics, Micro v/s Macro Economics, Goals of Micro Economics, Basic tool of Economics: Production Possibility Frontier and Opportunity Cost.

Module 2: Demand and Supply

Demand function: Definition and Significance; Individual Demand, Law of Demand, Reasons of law of Demand, Slope of Demand curve, Market Demand Function, Factors determining demand, Derived Demand; Elasticity of Demand; Supply function: Its meaning and significance; Relationship between price and Quantity Supplied; Slope of supply curve, Factors determining Supply, Elasticity of supply curve.

Module 3: Market Analysis and Economy:

Meaning of Market, Types of Market: Perfect Competition, Monopoly market, Monopolistic Market, Oligopoly Market. Revenue: Total Revenue, Average Revenue, Marginal Revenue and their relationship. Price Output determination and Profit Maximisation. Price Discrimination, Degree of Monopoly Power. Consumers and Producers Equilibrium.

Module 4: Characteristics of Indian Economy:

Basic Characteristics of Indian Economy: Dualistic Economic Structure, Mixed Economy, Planned Developing Economy; Issues in Indian Economy: Economic Growth and Development, Determinants of Economic Development, Obstacles on Economic Development, Structural Change during Development.

Suggested Readings:

- Henderson, J.M. & Quandt, R.E.: Micro Economic Theory, Mc Graw Hill.
- Varian Hal R, Intermediate Microeconomics, Eight Edition, W.W. Norton & Company
- Koutsoyiannis, A.: Modern Microeconomics, ELBS with Macmillan Publication.
- Maddala, G.S. and Miller, E.: Microeconomics, Theory and Applications; McGraw Hill
- Pindyck, R.S., Rubinfeld, D.L. & Mehta: Microeconomics, Pearson Education
- Salvatore, D.: Microeconomics, Theory and Applications, Oxford University Press.
- Ahuja, H.L., Advanced Economic Theory – Micro Economic Analysis, S. Chand & Company Ltd
- Karl E. Case and Ray C. Fair, Principles of Economics, 9th Ed.; Pearson Education Inc.
- Hal R. Varian, Intermediate Microeconomics A Modern Approach, W. W. Norton &

Company, Inc.

Multidisciplinary Course

Economics of Rural Development: IPECMD1301

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	2		14
2	Module 2	12	2		14
3	Module 3	16	4		20
4	Module 4	12	4		16

Course Objective:

This course equips the students with various issues prevailing in rural areas. The main objective is to deepen understanding, promote critical thinking, inspire action, and contribute to positive change in rural communities locally, nationally, and globally.

Course Outcome:

On completion of this course the students will be able to:-

CO1: Understand the various concepts of rural development, rural economy and related issues.

CO2: Illustrate how the functions of socio political institutions help for rural development.

CO3: Evaluate the sustainable use and management of rural resources.

Module 1: Introduction to Rural Development:

Rural Development: Concept and objectives; Significance of rural development; Planning the rural Development; Tools of Rural Economic analysis; Rural Economic Structure: Agriculture, Commercial Agriculture, Rural Horticulture, Dairying, land Use, Land Holding, Land Reforms; Agricultural Marketing: Co-operative Markets.

Module 2: Rural Socio-Political Institutions:

Society and Social Structure; Social Mobility; Social Change; Caste Structure; Rural Literacy: Causes of Low Literacy Rate, Measure of Increase Literacy Rate in Rural Areas; Population:

Size, Sex and Distribution' Population Control Measure; Gram Panchyats and its Power and Functions; Decentralised Governance and Women Empowerment, SHG and Community Organisation; Impact of Decentralised Governance on Rural Development.

Module 3: Rural Resource and Sustainable Development:

Ecology and Ecosystem; Human Activities and Its Impact on Land; Soil: Its Types, Soil Erosion, Soil Conservation and its Measure; Forest and Forest Products, Social Forestry, Tree Plantation in Agricultural Land; Water resource: Need for Judicious Use of Water' Ground Water Utilisation, Tank Irrigation and Minor Irrigation; Domestic Waste Recycling' Rural Energy System; Need for Environmental Awareness in Rural Areas.

Module 1: Rural Marketing:

Rural Marketing System, Types and Functions of market place, trade and origin. Understanding social and economic traits of rural produces, changing profile of rural producers, types and products. Distribution Channel, Co-operative marketing-issues.

Suggested Readings:

- Singh, K (2009) Rural Development Principles, Policies and Management, New Delhi: Sage
- Bezbaruah, M.P (2010) Rural Development in India: The past experience and future Perspective, in K. Singh (ed) Rural Development in India: Retrospect and Prospects. New Delhi: Concept Publishing Company
- Hugh O. Nourse, *Regional Economics*, New York, McGraw-Hill, 1968.
- Harry W. Richardson, *Regional Economics*, Urbana, Ill, University of Illinois Press, 1979.

Value Added Course

Economic Survey and Union Budget: IPVA1207

L: 2 T: 0 P: 0

CR: 3

Total Hours: 48

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
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1	Module1	20	4	0	24
2	Module2	16	4	0	24

Course Objective: The course seeks to familiarize students with basic concepts related to the Economic Survey and Union Budget. It aims to equip students with sufficient knowledge and importance of Economic survey and Union Budget.

Course Outcomes:

On completion of this course the students will be able to: -

CO1: Students will have the capability to understand how to apply government policies and help the participants to economic decision-making.

CO2: Students will analyze the importance of Economic Survey and process of making and implementation Union Budget.

Module I: Basic concepts of Public Economics.

Fiscal policy, areas of government spending in India; Capital and revenue expenditure; plan and non-plan expenditures; Deficits (fiscal, primary, revenue), impact of fiscal deficits on the economy; Capital receipts, revenue receipts; tax and non-tax revenue; direct and indirect taxes; need for rationalization of tax structure; Goods and Services Tax (GST); Actual, revised and budget estimates; Zero-base budgeting; Gender budgeting;

Module II: The Economic survey and the union budget

Analysis of current and past policy emphasis. Uses of the economic survey data. Need for the budget; understanding the process of budget making in India; Analysis of fiscal and revenue deficits; Analysis of sources of revenue and expected growth in revenue; tax simplification, improvement in administration, expansion of tax net and other measures to improve revenue receipts; Analysis of expenditure pattern and expected growth in expenditure; thrust areas of budget; sectors that have received higher/lower shares of expenditure, the reasons and consequences thereof; steps proposed to ensure effective spending.

Suggested Readings:

- Choudhry, R.K.: “*Public Finance and Fiscal Policy*”; Kalyani Publishers, New Delhi.
- Tripathy, R.N.: “*Public Finance in Under developed Countries*”; The World Press Pvt.Ltd., Calcutta.

- Current Report of the Finance Commission, India.
- Reports on Indian Tax Reforms, Government of India, New Delhi.
- Latest Union Budget, Government of India
- Reports of the Economics survey

Skill Enhancement Courses

Data Analysis and Interpretation: IPECSE1201

L: 2 T: 1 P: 0

CR: 3

Total Hours: 48

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module1	12	2	0	14
2	Module2	16	2	0	18
3	Module3	12	4	0	16

Course Objective: The students will be instructed on the use of spreadsheet and statistical software to analyze data.

Course Outcomes

CO1: Understand how to collect data and representation of data.

CO2: Solve the data related problem by using statistical software.

CO3: Evaluate and interpretation of the data by using different statistical tools.

Module I: Data and Representation

Introduction to Statistics, Collection of data, classification and tabulation of data, Types of data: Primary data, Secondary data, Presentation of data Diagrammatic and Graphical Representation: Histogram, frequency curve, frequency polygon, Ogive curves, stem and leaf chart.

Module 2: Uses of Software and Interpretation

Introduction to available software and how it deals with data. Interpretation of the results. Uses of excel, spreadsheet etc.

Module 3: Data Cleaning and Visualization:

Data cleaning: checking for outliers, cleaning variable names, consistency checks Data visualization: scatter plots, line graphs, box plots and other graphical formats

Suggested Readings

1. Levine, D., Stephan, D., Szabat, K. (2017). Statistics for managers using Microsoft Excel, 8th ed. Pearson.
2. Tattar, P., Ramaiah, S., Manjunath, B. (2018). A course in statistics with R. Wiley
3. S. C. Gupta – Fundamentals of Statistics, Himalaya Publishing House.

2nd Semester

Major Course

Fundamentals of Economics II IPECMJ2401:

L: 3 T: 1 P: 0

Credit: 4

Total Class Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	4	0	16
2	Module 2	12	4	0	16
3	Module 3	12	4	0	16
4	Module 4	12	4	0	16

Course Objective:

Introduce the basic concepts of economics among the students and familiarizing them with quantitative tools to develop skills for applications in various economic fields. This course also enables students to apply economic theory to real-world problems, make evidence-based decisions, and contribute meaningfully to economic analysis and policymaking.

Course Outcomes:

On completion of this course the students will be able to:-

CO1: To understand the preliminary concepts of Macroeconomics.

CO2: To illustrate how money function in an economy.

CO3: To evaluate the behaviors of various taxes in an economy.

CO4: To correlate quantitative skills with various macro economic matters.

Module 2: Introduction to Macroeconomics:

Nature of Macro Economics: Scope and Importance. Macro Statics, Macro Dynamics and Comparative Statics. Concept of Stock and Flow. Circular Flow of Income. Concept of National Income: Gross Domestic Product, Gross National Product, Methods of GNP: Value added method, Income Method and Expenditure Method. Net National Product, Personal Disposable Income, Nominal and Real Income, Problem of Double Counting.

Module 2: Monetary Components of Economics:

Nature and definition of money; Inside money and Outside money, Supply of money; determination of supply of money; High powered money; Demand for money; Determination of Demand for money; Inflation: meaning and Types; Business cycle: meaning, types and causes. Monetary policy: Role of monetary policy in developing economy.

Module 3: Basic Concept of Public Finance:

Definition of Tax, Direct and Indirect Tax, Tax Rate, Buoyancy and Elasticity of a Tax, Proportionate, Progressive and Regressive Taxation; Government Budget and Its Revenue and Capital Components; Fiscal and Primary Deficit.

Module 4: Quantitative analysis in economics:

Population vs sample; Concept of variable, statistics, parameter. Set and its operation; Limit and continuity; Central tendency: Types and Concept; Dispersion: Types and concept; Correlation and Regression: Concept; Derivatives: Concept and Basic rules; Integration: Concept and Basic Rules

Suggested Readings:

- Henderson, J.M. & Quandt, and R.E.: Micro Economic Theory, Mc Graw Hill.
- Varian Hal R, Intermediate Microeconomics, Eight Edition, W. W. Norton &Company

- Koutsoyiannis, A: Modern Microeconomics, ELBS with Macmillan Publication.
- Maddala, G.S. and Miller, E.: Microeconomics, Theory and Applications; McGraw Hill
- Pindyck, R.S., Rubinfeld, D.L. & Mehta: Microeconomics, Pearson Education
- Salvatore. D.: Microeconomics, Theory and Applications, Oxford University Press.
- Ahuja, H. L, Advanced Economic Theory – Micro Economic Analysis, S.Chand & Company Ltd
- Ahuja H.L & S Chand: Macroeconomics, Theory and Policy. 20th Edition.
- Dornbusch, R., Fischer, S. and Startz, R.: “*Macroeconomics*”; Tata McGraw-Hill Publishing Company Limited, New Delhi.
- Don Patinkin, D., Money, Interest and Prices
- Mankiw, N.G.: —*Macroeconomics*!; Worth Publishers, New York
- Barua, S.: Basic Mathematics and its Application in Economics, Macmillan India Limited.
- Gupta, S.C. and Kapoor, U.K., “Fundamentals of Mathematical Statistics”
- Gupta, S.B.: Monetary Economics, S. Chand. New Delhi.

Minor Course

Basics of Economics II IPECMN2401 :

L: 3 T: 1 P: 0

Credit: 4

Total Class Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	4	0	16
2	Module 2	12	4	0	16
3	Module 3	12	4	0	16
4	Module 4	12	4	0	16

Course Objective:

Introduce the basic concepts of economics among the students and familiarizing them with quantitative tools to develop skills for applications in various economic fields. This course also enables students to apply economic theory to real-world problems, make evidence-based decisions, and contribute meaningfully to economic analysis and policymaking.

Course Outcomes:

On completion of this course the students will be able to: -

CO1: To understand the preliminary concepts of Macroeconomics.

CO2: To illustrate how money function in an economy.

CO3: Evaluate the behaviors of various taxes in an economy.

CO4: To correlate quantitative skills with various macro economic matters.

Module 1: Introduction to Macroeconomics:

Nature of Macro Economics: Scope and Importance. Macro Statics, Macro Dynamics and Comparative Statics. Concept of Stock and Flow. Circular Flow of Income. Concept of National Income: Gross Domestic Product, Gross National Product, Methods of GNP: Value added method, Income Method and Expenditure Method. Net National Product, Personal Disposable Income, Nominal and Real Income, Problem of Double Counting.

Module 2: Monetary Components of Economics:

Nature and definition of money; Inside money and Outside money, Supply of money; determination of supply of money; High powered money; Demand for money; Determination of Demand for money; Inflation: meaning and Types; Business cycle: meaning, types and causes. Monetary policy: Role of monetary policy in developing economy.

Module 3: Basic Concept of Public Finance:

Definition of Tax, Direct and Indirect Tax, Tax Rate, Buoyancy and Elasticity of a Tax, Proportionate, Progressive and Regressive Taxation; Government Budget and Its Revenue and Capital Components; Fiscal and Primary Deficit.

Module 4: Quantitative analysis in economics:

Population vs sample; Concept of variable, statistics, parameter. Set and its operation; Limit and continuity; Central tendency: Types and Concept; Dispersion: Types and concept; Correlation and Regression: Concept; Derivatives: Concept and Basic rules; Integration: Concept and Basic Rules

Suggested Readings:

- Henderson, J.M. & Quandt, and R.E.: Micro Economic Theory, Mc Graw Hill.

- Varian Hal R, Intermediate Microeconomics, Eight Edition, W. W. Norton & Company
- Koutsoyiannis, A: Modern Microeconomics, ELBS with Macmillan Publication.
- Maddala, G.S. and Miller, E.: Microeconomics, Theory and Applications; McGraw Hill
- Pindyck, R.S., Rubinfeld, D.L. & Mehta: Microeconomics, Pearson Education
- Salvatore. D.: Microeconomics, Theory and Applications, Oxford University Press.
- Ahuja, H. L, Advanced Economic Theory – Micro Economic Analysis, S.Chand & Company Ltd
- Ahuja H.L & S Chand: Macroeconomics, Theory and Policy. 20th Edition.
- Dornbusch, R., Fischer, S. and Startz, R.: “*Macroeconomics*”; Tata McGraw-Hill Publishing Company Limited, New Delhi.
- Don Patinkin, D., Money, Interest and Prices
- Mankiw, N.G.: —*Macroeconomics*||; Worth Publishers, New York
- Barua, S.: Basic Mathematics and its Application in Economics, Macmillan India Limited.
- Gupta, S.C. and Kapoor, U.K., “Fundamentals of Mathematical Statistics”
- Gupta, S.B.: Monetary Economics, S. Chand. New Delhi.

Multidisciplinary Course

Human Resource Development: IPECMD2301

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	14	2		16
2	Module 2	14	2		16
3	Module 3	14	2		16
4	Module 4	14	2		16

Course Objective:

To realize the hidden potential of human resources and advantages of its efficient uses and also to understand how to manage human resources efficiently.

Course Outcome:

On completion of this course the students will be able to: -

CO1: To correlate the importance of human resources with economic development.

CO2: Analyze appropriate work culture for betterment of enterprises and effective uses of resources.

CO3: Understand the workforce empowerment in various fields.

Module 1: Introduction to Human Resource Development

Concept of Human Resource and Human Capital, Concept of Human resource Development; Evaluation of HRD; and Its Relation with Human Resource Management; Human Resource Development Function, Need for Human Resource Development, Human Capital Formation: indicators, problems and issues. Human Resource Planning and Man Power Planning, Human Resource Approach.

Module 2: Human Resource Management:

Nature of Human Resource Management, Need for Human Resource Management, Human Resources Management: Recruitment and Sources, Methods, Selection Procedure: absenteeism, labour turnover, employees training, steps; rewards and incentives – Determinants and types; motivation – types, methods of increasing motivation, theories (Traditional and Modern), Career Development.

Module3: Workforce and Human Resources Development:

Workforce Reduction, Realignment and Retention, HR Performance and Bench Marking; Impact of Globalization on HRD; Diversity of Workforce; HRD Programme for Diverse Employees; Expatriate and Repatriate and Development.

Module 4: Entrepreneurship Development and Leadership: Types of startups; Entrepreneurial class Theories; Entrepreneurial training; EDP Programmes; Characteristics of entrepreneurial leadership, Components of Entrepreneurial Leadership; International Entrepreneurship- Opportunities and challenges; Entrepreneurial Challenges; Source of innovative ideas; Entrepreneurship and creativity; Techniques for generating ideas, Impediments to creativity.

Suggested Readings:

- Willam B.Werther : Human Resources and Personnel Management, Mc.Graw Hill
- Dwivedi R.S.: Human Relations and Organizational Behaviors-Global perspective, Mac, Millan India.
- Michael, V.P.: Human Resources Management and Human Relations, Himalaya Publishing House.
- Subba Rao.P.: Essentials of Human Resources Management and Industrial Relations, Himalaya Publishing House.
- Rao T.V. Et.al.: Alternative approaches and strategy of human resources development
- Bhagolowal T.N.: Personnel Management and Industrial Relations, Sahitya Bhawan.
- A.M.: Personnel and Human Resources Management, Himalaya Publication.
- Mamoria C.B.: Personnel Management, Himalaya Publishing House.

Value Added Course

Sustainable Banking and Financial Inclusion: IPVA2207

L: 2 T: 0 P: 0

CR: 3

Total Hours: 48

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl. no.	Module	L	T	P	Total
1	Module1	18	6	0	24
2	Module2	20	4	0	24

Course objective: The course on Sustainable Banking and Financial Inclusion aims to equip students with the knowledge and skills necessary to understand and implement sustainable financial practices while promoting financial inclusion

Course Outcomes:

CO1: Students will acquire knowledge of financial inclusion.

CO2: Students will able to correlate the sustainable banking and sustainable development.

Module 1: Financial inclusion

Definition of financial inclusion, importance, objectives, advantages, opportunities and Challenges - Financial inclusion in India

Module 2: Sustainable Development and Sustainable Banking

Sustainable Development Goals - Sustainable Banking: meaning and importance - Micro finance: Meaning and importance - Joint Liability Model for Lending - Triple Bottom Line Approach for Sustainability.

Suggested Readings:

- Jan Jaap Bouma, Marcel Jeucken, Leon Klinkers: „Sustainable Banking: The Greening of Finance” 1 March 2001
- Marcel Jeucken(2010) : Sustainable Finance and Banking Publisher(s): Routledge .ISBN: 9781136533334
- Dr. Hema Patil, Rohith N R : Sustainable Green Banking Scenario. First Edition ISBN: 978-1-68576-000-7
- Drishti IAS: <https://www.drishtiias.com/daily-newseditorials/financial-inclusion-4>
- Byjush: <https://byjus.com/free-ias-prep/financial-inclusion/>
- Unscsdemy: <https://unacademy.com/content/upsc/study-material/economy/financial-inclusion/>
- https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4384975
<https://www.accenture.com/us-en/services/banking/sustainable-banking>

Skill Enhancement Course

Portfolio Economics: IPECSE2201

L: 2 T: 1 P: 0

CR: 3

Total Hours: 48

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module1	12	2	0	14
2	Module2	16	2	0	18
3	Module3	12	4	0	16

Course Objective:

To understand both the theory and practice of investments and acquire knowledge about the most of the areas that is required by professional security analyst or portfolio manager.

Course Outcomes:

CO1: Understand investment in different instruments with different income levels.

CO2: Determine the planning of portfolio investments and portfolio theories.

CO3: Analyze and justify the needs of portfolio investment in their life.

Module 1: Introduction

Meaning of portfolio, Objectives, Terms relating to Portfolio, Securities, Risk, Return, risk aversion and capital allocation to risky assets; optimal risky portfolios, index models, capital asset pricing, market efficiency. Bond prices and yields, term structure and interest rates, fixed income portfolio management, equity valuation models.

Module 2: Portfolio Analysis

Planning – Selection – Evaluation – Revision - Various Steps involved in Portfolio Development
Theories relating to Portfolio Analysis.

Module 3: Need and Importance of Portfolio Management

Portfolio Management Vs Wealth Management – Introduction to Derivatives – Futures Options – Swaps – SEBI Regulations relating to Portfolio Operations.

Suggested Readings:

- Bharati Pathak (2009) The Indian Financial System: Pearson Education
Publication New Delhi
- Bhattacharya, B.B., Financial Reforms, and Financial Development in India, Institute of Management Technology, New Delhi
- Bhole, L.M. (2008), Financial Institutions and Markets; Tata McGraw Hill Company Ltd., New York.
- Chandra, P. (1997), Financial Markets, (4th Edition), Tata McGraw Hill, New Delhi
- Alexander GJ, Sharpe WF & Bailey JV. *Fundamentals of Investments* Pearson Education, Singapore.

- Bodie Z, Merton R.C.& Cleeton D.L. *Financial Economics*. Pearson/Prentice Hall.
- Gupta, S.B. *Monetary Economics: Institutions, Theory and Policy*, SCh and & Co, New Delhi.
- Madura J. *Financial Institutions and Markets*, Thomson South-Western.
- Panday I.M. *Financial Management*. Vikas.
- Pathak B.V. *Indian Financial System*, Pearson Education, Singapore

3rd Semester **Major Course**

Microeconomic Analysis: IPECMJ2401

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl. no.	Module	L	T	P	Total
1	Module 1	12	4	0	16
2	Module 2	12	4	0	16
3	Module 3	12	4	0	16
4	Module 4	12	4	0	16

Course Objective:

The main objective of the paper is to acquaint the students with advanced concepts of Micro Economic Theory.

Course Outcome:

On completion of this course the students will be able to: -

CO1: Evaluate the process of optimal decision making in consumption.

CO2: Determine the optimal decision making in production process.

CO4: Differentiate the distribution of share of various factors of production in national income.

CO3: Apply with theoretical aspects of Monopoly Market markets with regard to pricing and market behavior.

Module 2: Consumer Behaviour:

Demand Function: Law of Demand and factor effecting in Demand, Elasticity of Demand Types of Goods: Normal Good, Inferior Good, Giffen Goods, Substitution Good, Complimentary Good. Meaning and unit of utility, Utility Analysis: Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility, And Ordinal Utility Analysis: Indifference Curve Analysis, The Indifference curve, The consumer Budget, Consumers equilibrium, corner solution. Decomposition of Price effect: Income Effect, Substitution effect, Hicksian Substitution Effect and Slutsky Substitution Effect. Income Consumption Curve and Engle Curve. Compensating Variations in income, and Revealed Preference theory of Demand.

Module 3: Producer Behaviour:

Law of Supply, Elasticity of Supply, factors of production, variable factors, fixed factors. Production: Total production, Average Production, Marginal Physical Production, Production Function: Cobb Douglas Production Function, CES, VES, Long Run and Short Run: Law of Variable Proportion and Law of Returns to Scale, Economies of Scale and Diseconomies of Scale Cost Analysis: Types of Cost, Efficiency in production: Technological Efficiency v/s Economic Efficiency. Isoquants, Marginal Rate of Technical Substitution, Iso-cost Line: least Cost Combination of Factors.

Module 3: Theory of Distribution:

Functional vs Personal Distribution, Marginal Productivity theory of distribution: Clarks Theory; Marshal Hicks Marginal productivity Theory; Euler's Theorem and Production Exhaustion Problem or Adding up Problem; Interrelation between value, production and Distribution.

Module 4: Monopoly:

Monopoly- definition, output decision of the monopolists; monopoly power, sources of monopoly, Barriers to entry, mark up pricing, social cost of monopoly power; Pricing with market power- price discrimination: first degree, second degree and third degree. Chamberlin's theory of monopolistic competition.

Suggested Readings:

- Henderson, J.M. & Quandt, and R.E.: Micro Economic Theory, Mc Graw Hill.
- Varian Hal R, Intermediate Microeconomics, Eight Edition, W. W. Norton &Company

- Koutsoyiannis, A: Modern Microeconomics, ELBS with Macmillan Publication.
- Maddala, G.S. and Miller, E.: Microeconomics, Theory and Applications; McGraw Hill
- Pindyck, R.S., Rubinfeld, D.L. & Mehta: Microeconomics, Pearson Education
- Salvatore. D.: Microeconomics, Theory and Applications, Oxford University Press.
- Ahuja, H. L, Advanced Economic Theory – Micro Economic Analysis, S.Chand & Company Ltd

Macroeconomic Analysis: IPECMJ2402

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	2	0	14
2	Module 2	14	2	0	16
3	Module 3	14	2	0	16
4	Module 4	14	4	0	18

Course Objective:

To learn the formulation and application of various macroeconomic policies and to understand the different dimensions of the macroeconomic theories as available in the fields of economic literature.

Course Outcome:

On completion of this course the students will be able to: -

CO1: Analyse the interlink age between various indicators of micro and macroeconomics.

CO2: Understanding various concepts of fiscal and monetary policies and its implications.

CO3: Evaluate the nuance of different schools of thought and the implications there of for macroeconomic policy formulation

CO4: Able to enumerate the latest advances in theories of growth and business cycles.

Module 1: Microeconomic Foundations of Macroeconomics

Theories of Consumption: Concept of Consumption Function; Keynesian consumption function; Fisher ‘s theory of optimal inter-temporal choice; The consumption puzzle, Life-cycle and

permanent income hypotheses; Investment: The Investment Multiplier, Determinants of business fixed investment; Residential investment; Inventory investment – the Accelerator theory of inventories; Q-theory of investment.

Module 2: Fiscal and Monetary Policy

The goals of macroeconomic policy; Lags in the effects of macroeconomic policy; Monetary policy objectives and targets; the Government budget constraint; Government debt and Ricardian equivalence; Relative effectiveness of monetary and fiscal policy in IS-LM framework.

Module 3: Schools of Macroeconomic Thoughts

Classicals vs Keynesians: Classicals and full wage-price flexibility; Keynesians and wage-price rigidity; the Monetarist counterrevolution – the basic propositions of the monetarists; New-Classical economics and critique of Keynesian economics; Rational expectations and policy ineffective proposition; the Keynesian counter critique; the supply side economics – Laffer curve analysis.

Module 4: Theories of Business Cycle

Meaning and Types of Business Cycle; Phases of Business Cycle; Theories of business cycle: Hawtreys's Moneyary Theory, Schumpeter Theory of trade cycle, Samuelson's Model of Trade Cycle, Hick's Model of Trade Cycle, Kaldor's Model of Business Cycle.

Suggested Readings:

- A P Thirlwal, Growth and Development
- Brian Snowdon and H R Vane, Modern Macroeconomics
- David Romer, Advanced Macroeconomics
- Debraj Ray, Development Economics
- Legacy and Rebman: Macroeconomics: An Introduction to Keynesian Neo-Classical Controversies
- N. Gregory Mankiw, Macroeconomics
- Ola Olson, Essentials of Advanced Macroeconomic Theory
- Soumen Sikdar, Principles of Macroeconomics

Minor Course

Fundamentals of Development Economics: IPECMD3401

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	2	0	14
2	Module 2	14	2	0	16
3	Module 3	14	2	0	16
4	Module 4	14	4	0	18

Course Objective:

The objective of this course is to enable the students to learn about some basic issues relating to growth and development in the context of the developing countries like India.

Course Outcome:

On completion of this course the students will be able to: -

CO1: To understand the real meaning of development and its impact on various fields of Economics.

CO2: To analyze and evaluate the policies required to maintain growth, reduce poverty and inequality, preserve environment, etc.

CO3: To examine the issues and challenges of growth and development of underdeveloped countries

CO4: To correlate environment with economic development.

Module 1: Introduction to Development Economics:

Evaluation of Development Economics; Development Economics as a Subject; Economic Development and Growth; Per Capita income as an index of Development; The characteristics of Developed, Developing and underdeveloped Economies; Measures of Economic Development: GNP, PQLI, HDI, GDI, GEM.

Module 2: The Development Gap, Poverty and Inequality

Concept and Measures of poverty- Head count ratio, Sen's Index, HPI, MPI. Measures of inequality and Historical Trends; Inequality measures- Gini Coefficient and Lorenz Curve; Connections between inequality and development; Mechanisms that generate poverty traps and path dependence of growth processes.

Module 3: Characteristics of Underdevelopment and Structural Change

The dominance of Agriculture and Petty Services; Low level of Capital Accumulation; Rapid population Growth; Exports Dominated by Primary Commodities; The Curse of natural resources; Weak Institutional Structure; Growth and Distribution; Nutrition and Health; Famine; Food production; Diversification; Industrialization and Growth.

Module 4: The Environment and Development

Sustainable Development and Environmental accounting; Population, Resources and the Environment; Poverty and Environment; Growth vs Environment; Rural Development and Environment; Urban Development and Environment; Natural Resource Based Livelihood; The Global Environment and Economy.

Suggested Readings:

- Todaro & Smith,—Economic Development, Pearson Education Asia, Eight Edition.
- Meier & Rauch, —Leading Issues in Economic Development, Oxford University Press.
- Ray, Debraj,—Development Economics, Oxford University Press.
- Taneja & Myer, —Economics of Development and Planning, Vishal Publishing Company.
- Higgins, B.,—Economic Development—Problems, Principles & Practices, Universal Book Stall, New Delhi.
- Laffont, Jean - Jacques. "Corruption and Development. Oxford University Press, Oxford, 2006.
- Laffont, J.J. (2000), *Incentives and Political Economy*, Oxford University Press, Oxford.
- Udry Christopher, (2004): Child Labor, Yale University (August)

- Drèze, J. and A. Sen (2002), India: Development and Participation, Oxford University Press, New Delhi
- Riskin, C. (1987), China's political economy: the quest for development since 1949, Oxford: Oxford University Press.
- Akyuz, Y. (ed) (1998): East Asian Development: New Perspectives, Special Issue, Journal of Development Studies, 34(6). Pp.4-36
- Bhagwati Jagdish & Panagariya Arvind (2012), —India's Tryst with Destiny: Debunking Myths that Undermine Progress and Addressing New Challenges, Harper Collins
- Meier, G. and J. Rauch (2004), Leading Issues in Economic Development, 7th edition. Oxford University Press.
- World Development Reports and Human Development Reports.

Multidisciplinary Course

Money and Banking: IPECMD3301

L: 3 T: 1 P: 0

CR: 3

Total Class Hour: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	4	0	16
2	Module 2	12	4	0	16
3	Module 3	12	4	0	16

Course Objective:

Equip the students with adequate knowledge to enhance their understanding of the monetary system and will learn the applicability issues. Inflationary situations and effects of trade cycle will become clear for the students.

Course Outcome:

On completion of this course the students will be able to: -

CO1: To illustrate different concepts of the money.

CO2: To analyse how financial system works in an economy.

CO3: To appraise the role and functions of banking system in a country.

Module 1: Money, Interest and Income:

Concept, functions, measurement of money; Keynesian Monetary theory; Keynesian Theory of Rate of Interest; Determination; sources of interest rate differentials; Other Theories of Interest rate; Rate of Interest and Investment; Investment and Income; Income; Output; Employment and The Marginal productivity of Labour

Module 2: Financial System:

Credit and financial System: What is Credit? What is Financial System, Financial Intermediaries, Functions of Financial System, Banking and Non-banking Financial Institutions, The structure of Financial Markets, Call Money Market, Treasury Bill Market, Commercial Bill Market, The new Bill Market Scheme, The Stock Market, The Gild Edged Market.

Module 3: Banking System:

Meaning and types; Functions of commercial banks; the process of credit creation and its limitations; Balance sheet and portfolio management, banking sector reforms, Central Banking: Function of the Central Bank, Monetary policy: objectives, indicators and instruments of monetary control. Monetary management in an open economy, current monetary policy of India

Suggested Readings:

- Ackley, G. (1978), Macroeconomics: Theory and Policy, Macmillan Publishing Co., New York.
- Bhargava, R.N. (1971), The Theory and Working of Union Finance in India, Chaitanya Publishing House, Allahabad.
- Gupta, S.B. (1994), Monetary Economics, S. Chand & Company, New Delhi.
- Houghton, E.W. (Ed.) (1988), Public Finance, Penguin, Baltimore.
- Jha, R. (1998), Modern Public Economics, Routledge, London.
- Mithani, D.M. (1981), Macroeconomic Analysis and Policy, Oxford & IBH, New Delhi.
- Mithani, D.M. (1998), Modern Public Finance, Himalaya Publishing House, Mumbai.
- Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw-Hill, Kogakusha, Tokyo.
- Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi

Skill Enhancement Course

Research Paper Writing: IPECSE3201

L: 2 T: 1 P: 0

CR: 3

Total Hours: 48

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module1	12	2	0	14
2	Module2	16	2	0	18
3	Module3	12	4	0	16

Course Objectives: To provide the students the basic tools and materials for research and acquaint them with the process of research.

Course Outcomes:

CO1: Students will understand the meaning of research and resources that they apply for research process.

CO2: Students will explore the process of research and formulate the research proposal.

CO3: Students will be able to prepare how to present their research and using the referencing styles.

Module 1: Resources and means of research

Research: meaning and objective, Research problem formulation, Research techniques in literary studies and linguistics/ social sciences/ quantitative methods for research

Resources and means of research: books, journals, anthologies, unpublished theses, conference proceedings, newspaper articles, e-journals, thesauruses, encyclopedias, Dissertation Abstracts, web references, research sites, printed indexes, e-mail discussion groups, special libraries, advanced study centers, virtual libraries, internet search engines

Module 2: The process of research

selecting a research topic; review of literature; identifying aims and objectives; formulating the thesis statement; defining the scope and limitations; drafting a research proposal; planning the timeline.

Module 3: Presentation of research

Title of the study, aims and objectives; format of research; pagination; grammar, punctuation and the conventions of academic writing: organization of materials; avoiding plagiarism; in-text

citations; list of works cited; footnotes and endnotes; research findings; bibliography; using standard style sheets – MLA, APA, Chicago Manual, Harvard system of referencing.

Assessment:

Suggested Readings:

- Chindhade, S. and A. Thorat (2009), An Introduction to Research, Mumbai: Cambridge University Press.
- . Eliot, Simon and W. R. Owens (4th edn. 1998), A Handbook to Literary Research, London: Routledge & Open University.
- MLA Handbook for Writers of Research Papers (7th edn. 2009), New York: MLA Association.
- Oliver, Paul (2005), Writing Your Thesis, New Delhi: Vistaar Publications.
- Sinha, M.P. (2004), Research Methods in English, New Delhi: Atlantic.
- Brown, James Dean (2006), Understanding Research in Second Language Learning, New York: Cambridge University Press.
- Adam Sirjohn (2004), Research Methodology: Methods & Techniques, Delhi: New Age International.
- Miller, R. H. (1995), Handbook of Literary Research, Methuen.
- Seliger (2001), Second Language Research Methods, Oxford: Oxford University Press.
- Lenburg, Jeff (2007), Guide to Research, Viva Books.
- Abdul Rahim, F. (2005), Thesis Writing: A Manual for Researchers , New Delhi: New Age International.

4th Semester
Major Course

Mathematics for Economic Analysis I: IPECMJ4301

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl. no.	Module	L	T	P	Total
1	Module 1	10	2	0	12
2	Module 2	16	4	0	20
3	Module 3	16	4	0	20
4	Module 4	10	2	0	12

Course Objective:

To understand the use of the mathematical tools in various fields of Economics. After the completion, of course, students shall be familiar with the easier mathematical techniques that make economic theories simpler and scientific in nature.

Course Outcome:

On completion of this course the students will be able to:-

CO1: To understand the preliminaries of number systems, set theory, etc

CO2: Students will able to solve the matrix problem and its application to input- output analysis.

CO3: Students will able to evaluate the different applicability of differentiation in economics.

CO4: To analyze the problem of integral calculus and their applications in relevant economic field.

Module 1: Elementary mathematics

The number system; Ratio, proportion and Variation; Sets and Relation; Constant, Variable, Relations and Functions; Types of functions and Their Properties; Equations, Limit, Continuity of a Function.

Module 2: Matrix Algebra

Algebra of matrices; Simultaneous equations with matrices; Applications: partial equilibrium market model, national income model, external sector model. Introduction to input- output analysis – Static, open models, Solution, viability conditions - Hawkins – Simon conditions; Dynamic input-output model.

Module 3: Differentiation

Rules of Differentiation; Application to elasticity, derivation of marginal functions. Simple market model, national income model, Production; Partial differentiation rules. Differentials and Total Differentiation Maxima and Minima; Euler's Theorem; Effect of tax; Effect of Subsidy;

Unconstrained optimization; Applications: Multiproduct firm, Multi-plant firm, Price discrimination.

Module 4: Integral Calculus

The concept of Integration; Basic Rules of Integration; Definite Integral; Economic application of Integration; Consumer Surplus; producer Surplus.

Suggested Readings:

- A.C. Chiang: Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
- Allen, R.G.D. (1976), *Mathematical Analysis for Economists*, Macmillan.
- Barua, S.: Basic Mathematics and its Application in Economics, Macmillan India Limited.
- Carl Simon and Lawrence Blume, —Mathematics for Economists, W.W. Norton and Company.
- Gupta, S.C. and Kapoor, U.K., “Fundamentals of Mathematical Statistics”
- Hoy. M. and others: Mathematical Economics
- J.M. Henderson & R.E. Quandt: Microeconomic Theory – A Mathematical Approach, McGraw Hill, Kogakusha, Tokyo
- Sydsaeter and Hammond: Mathematics for Economic Analysis, Pearson.

Economics of Growth and Development I: IPECMJ4402

L:3 T:1 P:0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	14	2		16
2	Module 2	14	2		16
3	Module 3	14	4		18
4	Module 4	12	2		14

Course Objective:

To equip the students with various development strategies applicable in various field of economics and learn various instruments of measuring economic development.

Course Outcome:

On completion of this course the students will be able to:-

CO1: Students can able to relate the problem of economic development with economic growth in an economy.

CO2: Student can appraise the chronological notion of economic development since 19th century.

CO3: Students shall be able to evaluate the measurement issues related to economic development.

CO4: Students can analyse and find solution to the problem of migration.

Module 1: Introduction to Development Economics:

Evaluation of Development Economics; Development Economics as a Subject; Economic Development and Growth; Per Capita income as an index of Development; The characteristics of Developed, Developing and underdeveloped Economies; Measures of Economic Development : GNP, PQLI, HDI, GDI, GEM

Module 2: Approaches to Economic development:

The Theory of Karl Marx; Stages of Economic Growth: Rostow; Vicious Circle of poverty; Theory of Big push, Balanced v/s Unbalanced Growth, Critical minimum effort theory.

Module 3: Theories of Growth:

Classical theory of economic growth: Harrod Dommer Model; Neo Classical Solow Model; Kaldor's Model of Growth; Model of Technical Change: Neutral and Non- Neutral technical Change, Endogenous Growth Model.

Module 4: Urbanization and Rural Urban Migration:

Economic Development and Unlimited Labour Supply (dual-economy models): Lewis Model, Lewis- Ranis- Fei Model, Rural-Urban Interaction- Harris-Todaro Model, The Dependence Revolution- Dependence Model, Dualistic Development Thesis.

Suggested Readings:

- Todaro & Smith,—Economic Development, Pearson Education Asia, Eight Edition.

- Meier & Rauch, —Leading Issues in Economic Development, Oxford University Press.
- Ray, Debraj,—Development Economics, Oxford University Press.
- Taneja & Myer, —Economics of Development and Planning, Vishal Publishing Company.
- Higgins, B.,—Economic Development—Problems, Principles & Practices, Universal Book Stall, New Delhi.
- Laffont, Jean - Jacques. "Corruption and Development. Oxford University Press, Oxford, 2006.
- Laffont, J.J. (2000), *Incentives and Political Economy*, Oxford University Press, Oxford.
- Udry Christopher, (2004): Child Labor, Yale University (August)
- Drèze, J. and A. Sen (2002), *India: Development and Participation*, Oxford University Press, New Delhi
- Riskin, C. (1987), *China's political economy: the quest for development since 1949*, Oxford: Oxford University Press.
- Akyuz, Y. (ed) (1998): *East Asian Development: New Perspectives*, Special Issue, *Journal of Development Studies*, 34(6). Pp.4-36
- Bhagwati Jagdish & Panagariya Arvind (2012), —*India's Tryst with Destiny: Debunking Myths that Undermine Progress and Addressing New Challenges*, Harper Collins
- Meier, G. and J. Rauch (2004), *Leading Issues in Economic Development*, 7th edition. Oxford University Press.
- World Development Reports and Human Development Reports.

International Economics I: IPECMJ4403

L:3 T:1 P:0

CR:4

Total Class Hour:

Sl. no.	Module	L	T	P	Total
1	Module 1	14	4	0	18

2	Module 2	14	2	0	16
3	Module 3	12	4	0	16
4	Module 4	12	2	0	14

Course Objective:

To analyse the international trade theories, changing pattern of international trade in view of developments in trade environments and various international policies.

Course Outcome:

On completion of this course the students will be able to: -

CO1: Understand the idea of international trade and also various theories comprising from traditional to modern.

CO2: Evaluate the effect of international trade and capital flow on the country's economy.

CO3: Illustrate the various trade policies and different economic integration related to international trade.

CO4: Demonstrate how exchange rate influence on trade, investment and other related fields.

Module 1: Internal and International Trade:

Internal v/s International Trade; Subject matter of International Economics; Mercantilist doctrine of balance of trade, Gains from trade, Offer Curve, Theories of International Trade: Absolute Cost Advantage Theory of Adam Smith, The Theory of Comparative Cost Advantage by David Ricardo, Heckscher Ohlin Theory of International Trade; Leontief Paradox.

Module 2: International Capital Flows:

International capital flows – significance and limitations of foreign capital; Foreign portfolio investment; Foreign direct investment, factors affecting direct investment, effects of direct investment; Firms in the global economy — outsourcing and multinational enterprises.

Module 3: Trade Policy:

Free trade Vs. protective trade; Political economy of protectionism; Methods of protection - Tariff and non-tariff barriers; Inward looking trade policy and outward looking trade policy and their evaluation.

Module 4: Exchange Rate

Concept of exchange rate, cross exchange rate, spot and forward exchange rates; Demand for and Supply of foreign exchange, Determination of equilibrium Exchange Rate; Fixed and flexible exchange rate; Gold Standard, Inter-war period, Bretton Woods System, Managed floating standard; International Institutions: International Monetary Fund (IMF) - Objectives, functions, achievements and failures; WTO.

Suggested Readings:

- Bhagwati, Jagdish (1964), —The Pure Theory of International Trade, Economic Journal, Vol. 74, pp. 1-78.
- Ethier, W. J. (1995), Modern International economics, 3rd edition, W.W. Norton & Co.
- Heffernan & Sinclair, (1991), Modern International economics, Illustrated edition, Wiley- Blackwell
- Heller, H. R. (1973), International trade: Theory and empirical evidence, 2nd Edition, Prentice- Hall, Englewood Cliff, New Jersey.
- H.G Mannur ; International Economics. Second Revised Edition.
- Krugman, P. R. & Obstfeld, Maurice, (2008), International economics: Theory &Policy, Addison-Wesley, May.
- Salvatore, Dominic, International Economics, 13th edition.

Public Economics I: IPECMJ4404

L:3 T:1 P:0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	14	2	0	16
2	Module 2	16	4	0	18
3	Module 3	12	2	0	14
4	Module 4	14	2	0	16

Course Objective:

To equip students with how government raise revenue, allocate resources, and manage expenditure to achieve economic and social development.

Course Outcome:

On completion of this course the students will be able to: -

CO1: Understand the basic concepts of public economics related to allocation and distribution of public resources.

CO2: Analyze the phenomenon of total and partial market failure and prescribe potential corrections with the understanding the concept of public and private goods.

CO3: Compare the functioning of various public authorities, various department and bureaucrats in India related to public finance.

CO4: Determine the principles of fiscal federalism and a perspective of the relevant issues in India.

Module 1: Introduction to Public Economics

An Overview of Public economics, Meaning and Scope of Public economics, Need for Public Sector, allocation, distribution, and stabilization functions. Criteria for policy evaluation – equity, economic efficiency, paternalism and individual freedom and their tradeoff, The welfare cost of inefficient output.

Module 2: Public and Private Goods

Introduction to positive and normative public economics, Provision of Private Goods, Public Goods, Social Goods, Merit Goods and Mixed Goods; Market failure - imperfections, decreasing costs; Externalities: Types of Externalities, Characteristic of Externalities - Pigouvian Corrective Taxes - Quasi-linear Preferences and the Coase Theorem, Tibet hypothesis, Theory of club.

Module 3: Indian Public Finance

Indian Tax System: Base of Taxes, Direct and Indirect Tax, Taxation of Agriculture, Expenditure Tax, Revenue of the Union, Major tax reforms since 1991, Non tax Revenue; An introduction to MODVAT, CENVAT and GST. Budget: Stages of budget preparation, Revenue and Capital Budget, Concept of Deficit: Budgetary Deficit, revenue Deficit, Fiscal deficit, Primary Deficit, Study of Latest Union Budget; Public Debt: Characteristics of Public Debt, Internal and External Public Debt, Problems of Public Debt Policy.

Module 4: Fiscal Policy

Trends and Developments in Indian Fiscal Policy and fiscal deficits, Principles of Federal Finance, Inter-Governmental resource Transfer, Horizontal and Vertical Balance in a Federation, Implication of recommendations of Finance Commission in India, Centrally Sponsored Schemes and its implications for federalism, Sub national fiscal reforms in India.

Suggested Readings:

- Musgrave, R.A.: *The Theory of Public Finance: A Study in Public Economy*|| McGraw Hill Book Company NewYork.
- Stiglitz, J.E. (1989) *Economics of the Public Sector*, W.W. Norton & Company, London.
- Choudhry, R.K.: *“Public Finance and Fiscal Policy”*; Kalyani Publishers, New Delhi.
- Tripathy, R.N.: *“Public Finance in Underdeveloped Countries”*; The World Press Pvt. Ltd., Calcutta.
- Current Report of the Finance Commission, India.
- Reports on Indian Tax Reforms, Government of India, New Delhi.
- Latest Union Budget, Government of India.

Minor Course

Introduction to Indian Economy: IPECMN4401

L: 3 T: 1 P: 0

CR: 4

Total Hours: 64

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	12	2	0	14
2	Module 2	16	2	0	18
3	Module 3	12	4	0	16
4	Module 4	12	2	0	14

Course Objective:

This course would give a general understanding of the basic issues of the Indian economy. It is expected to be helpful for students who are preparing for competitive examinations.

Course Outcome:

On completion of this course the students will be able to: -

CO1: Discuss the characteristics of Indian Economy and how it differs from others.

CO2: Analyse the evolution of Indian economy from classical to 20th century.

CO3: Evaluate the process of planning in Indian Economy and Economic Reforms.

CO4: Interpret the current situation of poverty and unemployment.

Module 2: History of Indian Economy:

Evolution of Indian Economic Thought: Classical Economic Thought, Economic Thought of Medieval Period of India, Economic Thoughts of 19th Century, Economic Thought of Twentieth Century; Indian Economy during Pre-British Period; Indian Economy During British Colonial Rule.

Module 3: Development Planning in India:

History of Planning in India: Its importance; Analysing 5 years plan from 1st to 12th Five Year Plan, NITI Aayog, Economic Reforms: LPG; Global Meltdown of 2006-08 and its impact on Indian Economy.

Module 4: Poverty and Unemployment:

Problems of Poverty in India: Poverty Line, Absolute Poverty and Relative Poverty, Incidence of Poverty, Recent Poverty Debate in India; Methodology of Estimating Poverty; Poverty Alleviation Programmes; Problem of Unemployment: Nature of Unemployment in India, Causes of Unemployment in India and Measures to Solve it, Employment Policies and Schemes in India.

Suggested Readings:

- Bardhan, P., —The Political Economy of Development of India, OUP.
- Brahmananda, P.R.and Panchmukhi, V.R., —The Development Process of Indian Economy, Himalaya.
- Basu, Kausik (Ed), —India's Emerging Economy|| OUP.
- Datt, R. and Sundaram, K.P.M.: Indian Economy, S.Chand.
- Jalan, Bimal (Ed), —The Indian Economy– Problems and Prospects, Viking
- Kapila, Uma.: Indian Economy since Independence, Academic Foundation.

- Sen, A. and Breeze, J., Economic Development and Social Oppor Moduleie, OUP.
- Wadhwa, C. (Ed), —Some Problems of India’s Economic Policy, Tata McGraw Hill.
- Fonseca, A.J. (Ed), —Challenge of Poverty in India, Vikas.
- Rao, V.K.R.V., —India’s National Income, 1950-1980, Sage.
- Joshi, Vijayand Little, IMD,—India’s Economic Reforms 1991-2001, Oxford University Press.

Value Added Course

Financial Literacy: IPECMD4301

L: 3 T: 1 P: 0

CR: 3

Total Class Hour: 48

Distribution of marks: 80 (End semester) + 20 (internal) = 100

Sl no.	Module	L	T	P	Total
1	Module 1	14	2		16
2	Module 2	14	2		16
3	Module 3	14	2		16

Course Objective:

To understand both the theory and practice of investments and acquire knowledge about the most of the areas that is required by professional security analyst or portfolio manager.

Course Outcome:

On completion of this course the students will be able to: -

CO1: Understand the importance of financial before decision making regarding any financial matter.

CO2: Analyze both the theory and practice of investments and how to manage it.

CO3: Develop the idea related to modern technologies to deal with financial related issues.

Module 1: Introduction

Need for Financial Literacy; Introduction to Saving; Introduction to Investment; Time Value of Money; Basic background reading on investments, return and risk from historical records, risk aversion and capital allocation to risky assets; optimal risky portfolios, index models, capital asset pricing, market efficiency; Management of Spending and Financial Discipline.

Module 2: Portfolio Management

Bond prices and yields, term structure and interest rates, fixed income portfolio management, equity valuation models, Investment Opportunities and Financial products, Insurance Planning: Life, Non-Life and Medical Insurance.

Module 3: Banking and Digital Payment:

Banking products and Services; Digitization of Financial Transactions: Debit cards, Credit cards, UPI, Net banking, Digital Wallets; Security and Precautions Against Ponzi Schemes and Online Frauds.

Suggested Readings:

- Bharati Pathak (2009) *The Indian Financial System*: Pearson Education Publication New Delhi
- Bhattacharya, B.B., *Financial Reforms, and Financial Development in India*, Institute of Management Technology, New Delhi
- Bhole, L.M. (2008), *Financial Institutions and Markets*; Tata McGraw Hill Company Ltd., New York.
- Chandra, P. (1997), *Financial Markets*, (4th Edition), Tata McGraw Hill, New Delhi
- Alexander G J, Sharpe WF & Bailey J V. *Fundamentals of Investments* Pearson Education, Singapore.
- Bodie Z, Merton R. C. & Cleeton D. L. *Financial Economics*. Pearson/ Prentice Hall.
- Gupta, S. B. *Monetary Economics: Institutions, Theory and Policy*, S Chand & Co, New Delhi.
- Madura J. *Financial Institutions and Markets*, Thomson South-Western.
- Panday I.M. *Financial Management*. Vikas.
- Pathak B. V. *Indian Financial System*, Pearson Education, Singapore