



Syllabus

Third Semester Courses in ECONOMICS

(June 2025 onwards)

Contents:

- **Syllabus for Core Theory:**
 - UAECO5001CR1: Introduction to Econometrics
 - UAECO5002CR1: Fundamentals of Macroeconomics
- **Syllabus for Minor (Arts):**
 - UAECO5001MN1: Basic Macroeconomics
- **Syllabus for Minor (Sciences):**
 - USECO5001MN1: Principles of Macroeconomics
- **Syllabus for Vocational Skill Course (VSC)**
 - UAECO5001VS1: Elementary Statistical Techniques for Economic Analysis
- Evaluation and Assessment guidelines

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APPROVED SYLLABUS

Shinde

PRINCIPAL
ST. XAVIER'S COLLEGE
(AUTONOMOUS)
MUMBAI - 400 001.

S.Y. B.A. Economics		
Course Title: Introduction to Econometrics		
Course Code: UAECO5001CR1		
Credits 4: Theory (4) = 60 hrs		
No.	Course Objectives	
1.	To explain the theory underlying econometric models.	
2.	To introduce statistical methods for generalizing the inferences from a sample.	
3.	To explain the structure of economic and business data.	
4.	To guide students to model economic problems using econometric techniques.	
CO	Course Outcomes On completing the course, the learner will be able to	Bloom's Taxonomy Level (BT level)
1.	Conduct data analysis using econometric methods	Analysing
2.	Formulate and estimate econometric models to investigate economic relationships	Understanding
3.	Interpret econometric results and draw economic conclusions.	Evaluating
4.	Apply statistical methods to analyze economic data and test economic hypotheses.	Applying



UNIT I	Classical Linear Regression Model	(15)
	<ol style="list-style-type: none">1. Types of Data: Cross-Section, Time Series, Panel Data, Nominal, Ordinal, Nominal, Real2. Steps in Empirical Econometric Analysis3. Concept of Population Regression Function and Sample Regression Function.4. Assumptions Underlying Classical Linear Regression Model	
UNIT II	Ordinary Least Squares Estimation	(15)
	<ol style="list-style-type: none">1. Least Squares Principle2. Derivation of OLS estimators3. Properties of OLS Estimators: Gauss Markov Theorem; OLS Estimation using MS Excel.4. Standard Errors of Least Squares Estimators	
UNIT III	Ordinary Least Squares Estimation	(15)
	<ol style="list-style-type: none">1. Testing hypothesis about a single parameter: Confidence Interval Approach and Test of Significance Approach, t and F test2. One-tail and two-tail tests3. Type I and Type II Errors4. Concept of Level of Significance	
UNIT IV	Extensions of Two-Variable Linear Regression Models	(15)
	<ol style="list-style-type: none">1. Regression through the Origin Model2. Semi-log Model; Double-log Model: Measuring Elasticity and Growth Rates3. Polynomial Models4. Reciprocal Models	

Basic Reference Books/ Reports/ Publications

1. Chris Brooks. (2008). Introductory Econometrics for Finance. Cambridge University Press. Second Edition.
2. Christopher Dougherty, (2011). Introductory Econometrics. Oxford University Press, Fourth Edition.

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3. Gujarati, Damodar and Sangeetha. (2011). Basic Econometrics. McGraw Hill. Fifth Edition.

Evaluation and Assessment:

Evaluation (Theory – Core course): Total marks per course 100 (for a 4-credit course)

Continuous Internal Assessment (CIA): 40 marks

CIA 1: Written test - 20 marks

CIA 2: Assignment - 20 marks

End Semester Examination – 60 marks

Learning Levels	Remembering	Understanding	Analyzing	Application	Evaluation	Creation
% Weightage	10%	25%	30%	15%	15%	5%

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S.Y.B.A. Economics		
Course Title: Fundamentals of Macroeconomics Course Code: UAECO5002CR1		
Credits 4: No. Of lectures: 60		
No.	Course Objectives	
1. 2. 3.	To explain the different analytical methods in Macroeconomics. To introduce the relevant macro-economic theories with the real-world scenario. To facilitate the learning of various techniques in macro-economic analysis to assess the impact of inflation and business cycles on the economy.	
CO	Course Outcomes On completing the course, the learner will be able to	Bloom's Taxonomy Level (BT level)
1.	Understand the relevance of macroeconomic theory with real world problems like inflation and unemployment	Understanding
2.	Apply the business cycle theories to assess its impact on the economy	Applying
3.	Analyse the macroeconomic data pertaining to fiscal and monetary policies	Analyzing
4.	Evaluate the policies with respect to macroeconomic challenges	Evaluating



- UNIT I Introduction (15)**
1. Computation of National Income (Traditional and New Method)
 2. Price Indices: Construction of Price Indices, and distinction between levels and rates of change of indices
 3. Inflation Targeting Regime in India
 4. Concept of unemployment, and measurement of unemployment, with emphasis on the Indian context
- UNIT II The Classical model of output and employment (15)**
1. Full employment equilibrium
 2. Say's Law
 3. Demand for money in the Classical Approach
 4. Value of Money: Quantity Theory of Money, Friedman's version of Quantity Theory
- UNIT III The Keynesian system of output and employment (15)**
1. Keynesian Aggregate Demand, Aggregate Supply and Effective Demand
 2. Keynesian Consumption Function
 3. Investment Function and the multiplier
 4. Keynesian Demand for money, Speculative and Transaction Demands; Tobin's theory of demand for money
- UNIT IV Theories of Business Cycles (15)**
1. Keynesian Theory of Business Cycle
 2. Schumpeter's Innovation Theory of Business Cycle
 3. Samuelson's Model of Business Cycle: Interaction between Multiplier and Accelerator
 4. Real Business Cycle Theory

Basic References:

1. Ahuja H.L., (2019), Advanced Macroeconomic Theory, S Chand Publication, New Delhi.
2. D'Souza Errol, (2012), Macroeconomics, Dorling Kindersley India pvt. Ltd.-Pearson Education, second edition

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3. Dwivedi D. N. (2005), Macroeconomics: Theory and Policy, Tata McGraw-Hill.
4. Mankiw Gregory, (2007), Principles of Macroeconomics, Cengage Learning India Private Ltd. New Delhi, Fourth edition

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Evaluation and Assessment:

Evaluation (Theory – Core course): Total marks per course 100 (for a 4-credit course)

Continuous Internal Assessment (CIA): 40 marks

CIA 1: Written test - 20 marks

CIA 2: Assignment - 20 marks

End Semester Examination – 60 marks

Learning Levels	Remembering	Understanding	Analyzing	Application	Evaluation	Creation
% Weightage	10%	25%	30%	15%	15%	5%



S.Y.B.A. Economics (Minor)		
Course Title: Basic Macroeconomics Course Code: UAECO5001MN1		
Credits: 4 No. Of lectures: 60		
No.	Course Objectives	
1.	To explain the different analytical methods in Macroeconomics.	
2.	To introduce the relevant macro-economic theories with the real-world scenario.	
3.	To facilitate the learning of various techniques in macro-economic analysis to assess the impact of inflation and business cycles on the economy.	
CO	Course Outcomes On completing the course, the learner will be able to	Bloom's Taxonomy Level (BT level)
1.	Understand the relevance of macroeconomic theory with real world problems like inflation and unemployment	Understanding
2.	Apply the business cycle theories to assess its impact on the economy	Applying
3.	Analyse the macroeconomic data pertaining to fiscal and monetary policies	Analyzing
4.	Evaluate the policies with respect to macroeconomic challenges	Evaluating



- UNIT I Introduction of Macroeconomics (15)**
1. Computation of National Income (Traditional and New Method)
 2. CPI and WPI
 3. Inflation Targeting Regime in India
 4. Concept of unemployment, and measurement of unemployment
- UNIT II The Classical model of output and employment (15)**
1. Determination of output and employment
 2. Say's Law
 3. Demand for money in the Classical Approach
 4. Quantity Theory of Money
- UNIT III The Keynesian system of output and employment (15)**
1. Keynesian theory of general equilibrium
 2. Keynesian Consumption Function
 3. Investment multiplier
 4. Liquidity Preference Theory
- UNIT IV Theories of Business Cycles (15)**
1. Keynesian Theory of Business Cycle
 2. Schumpeter's Innovation Theory of Business Cycle
 3. Samuelson's Model of Business Cycle: Interaction between Multiplier and Accelerator
 4. Real Business Cycle Theory

Basic Reference:

1. Ahuja H.L., (2019), Advanced Macroeconomic Theory, S Chand Publication, New Delhi.
2. D'Souza Errol, (2012), Macroeconomics, Dorling Kindersley India Pvt. Ltd.-Pearson Education, second edition
3. Dwivedi D. N. (2005), Macroeconomics: Theory and Policy, Tata McGraw-Hill.
4. Mankiw Gregory, (2007), Principles of Macroeconomics, Cengage Learning India Private Ltd. New Delhi, Fourth edition



Evaluation and Assessment:

Evaluation (Theory – Core course): Total marks per course 100 (for a 4-credit course)

Continuous Internal Assessment (CIA): 40 marks

CIA 1: Written test - 20 marks

CIA 2: Assignment - 20 marks

End Semester Examination – 60 marks

Learning Levels	Remembering	Understanding	Analyzing	Application	Evaluation	Creation
% Weightage	10%	25%	30%	15%	15%	5%



S.Y.B.Sc. (Minor)		
Course Title: Principles of Macroeconomics Course Code: USECO5001MN1		
Credits: 4		No. Of lectures: 60
No.	Course Objectives	
1.	To explain the different analytical methods in Macroeconomics.	
2.	To introduce the relevant macro-economic theories with the real-world scenario.	
3.	To facilitate the learning of various techniques in macro-economic analysis to assess the impact of inflation and business cycles on the economy.	
CO	Course Outcomes On completing the course, the learner will be able to	Bloom's Taxonomy Level (BT level)
1.	Understand the relevance of macroeconomic theory with real world problems like inflation and unemployment	Understanding
2.	Apply the business cycle theories to assess its impact on the economy	Applying
3.	Analyse the macroeconomic data pertaining to fiscal and monetary policies	Analyzing
4.	Evaluate the policies with respect to macroeconomic challenges	Evaluating



- UNIT I Introduction of Macroeconomics (15)**
1. Computation of National Income: Measurement of National Income, Green National Income, GDP trends in different sectors of the Indian economy: Agriculture, Industry, and services
 2. Calculation of Price Indices: CPI, WPI, and GDP Deflator
 3. Inflation Targeting Regime in India
 4. Concept of unemployment and measurement of unemployment in India
- UNIT II The Classical model of output and employment (15)**
1. Determination of output and employment
 2. Say's Law
 3. Transaction balance approach
 4. Quantity Theory of Money
- UNIT III The Keynesian system of output and employment (15)**
1. Keynesian theory of general equilibrium
 2. Keynesian Consumption Function
 3. Investment multiplier
 4. Liquidity Preference Theory
- UNIT IV Macroeconomic Analysis with IS-LM Model (15)**
1. Derivation of IS - LM curves, mathematical treatment of IS-LM curves
 2. Determination of product market and money market equilibrium
 3. Factors affecting position and slope of IS - LM curves
 4. Deriving aggregate demand and supply curves with IS - LM model

Basic References:

1. Ahuja H.L., (2019), Advanced Macroeconomic Theory, S Chand Publication, New Delhi.



2. D'Souza Errol, (2012), Macroeconomics, Dorling Kindersley India pvt. Ltd.-Pearson Education, second edition
3. Dwivedi D. N. (2005), Macroeconomics: Theory and Policy, Tata McGraw-Hill.
4. Mankiw Gregory, (2007), Principles of Macroeconomics, Cengage Learning India Private Ltd. New Delhi, Fourth edition

Evaluation and Assessment:

Evaluation (Theory – Core course): Total marks per course 100 (for a 4-credit course)

Continuous Internal Assessment (CIA): 40 marks

CIA 1: Written test - 20 marks

CIA 2: Assignment - 20 marks

End Semester Examination – 60 marks

Learning Levels	Remembering	Understanding	Analyzing	Application	Evaluation	Creation
% Weightage	10%	25%	30%	15%	15%	5%



S.Y. B.A. Economics		
Course Title: Elementary Statistical Techniques for Economic Analysis		
Course Code: UAECO5001VS1		
Credits: 2		Theory (2) = 30 hrs
No.	Course Objectives	
1.	To explain the construction of frequency distributions and graphical representation of data	
2.	To explain measures and central tendency and dispersion for conducting statistical analysis.	
3.	To explain bi-variate techniques like regression and correlation for modelling relationships between variables.	
4.	To introduce MS Excel for data analysis.	
CO	Course Outcomes	Bloom's Taxonomy Level (BT level)
	On completing the course, the learner will be able to	
1.	To learn basic statistical tools and techniques for analyzing data.	Remembering
2.	To learn to perform univariate and bivariate analyses using statistical tools.	Understanding
3.	To apply the techniques to real data to understand the data's characteristics and features.	Analysing
4.	To learn to use MS Excel to analyse real world business and economic data	Applying



Evaluation and Assessment: UAECO5001VS1

Evaluation (Theory): Total marks per course – 50 (for 2 credit course)

Continuous Internal Assessment (CIA) – 20 marks

End Semester Examination – 30 marks

Learning Levels	Remembering	Understanding	Analyzing	Application	Evaluation	Creation
% Weightage	10%	25%	30%	15%	15%	5%

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