Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Social Sciences, Humanities and Arts
Choice-Based Credit System (CBCS) in Light of NEP-2020
BA/B.Sc. Economics
Semester II (2025-2028)

COURSE CODE	CATEGORY	COURSE NAME	TEACHING &EVALUATION SCHEME					L	T	P	CREDITS
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BAECO201	Major/ Minor	Macro Economics I	60	20	20	0	0	3	0	0	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical; C - Credit.
***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives:

CEO1: To provide the knowledge about the basic terms of macroeconomics.
CEO2: To enable students to calculate the national income through various methods.
CEO3: To help students in identifying various multipliers and accelerators.
CEO4: To relate money supply with its determinants.
CEO5: To summarise various theories of demand for money.

Course Outcomes:

Students will be able to:
CO1: Define basic concepts related to economics.
CO2: Solve the problems of national income accounting.
CO3: Demonstrate the use of multipliers and accelerators in an economy.
CO4: Link money supply with its determinants.
CO5: Discuss various theories of demand for money.
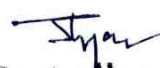
Syllabus

UNIT I: Introduction
Nature and Scope of Macroeconomics, Stock and Flow Variables; Equilibrium and Disequilibrium, Statics, Comparative Statics and Dynamics

UNIT II: National Income Accounting
Concepts of National Income: GDP, GNP, NNP, NDP, Personal Income and Personal Disposable Income, Measurement of National Income – Expenditure Method, Concept of Green GDP.

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UNIT III : Theory of Multiplier and Accelerator
The Concept of Investment Multiplier, Working of Multiplier, Leakages in Multiplier Process, Theory of Accelerator.

UNIT IV: Supply of Money and its Determinants
Money Supply and High-Powered Money, Four Concepts of Money Supply, Factors Determining Money Supply.

UNIT V: Demand for Money
Motives for Liquidity Preference, Transactions Demand for Money, Precautionary Motive, Speculative Demand for Money, Keynesian Liquidity Preference Theory

Suggested Readings:

1. Ahuja H.L. (2018). *Principles of Macroeconomics.* New Delhi: S Chand Publication
2. Dwivedi, D.N. (2015). *Macroeconomics Theory and Policy.* New Delhi: McGraw Hill Education (India) Pvt Limited
3. Sikdar, Shoumyen (2011). *Principles of Macroeconomics.* 2nd Edition, India: Oxford University Press

Agrawal, Vanita (2010). *Macroeconomics Theory and Policy.* New Delhi: Pearson Education Inc

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BAECO203	Major	Quantitative Techniques	60	20	20	0	0	3	0	0	3

Legends: L - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical; **C** - Credit.
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Course Educational Objectives:

CEO1: To transmit the body of time series analysis to relate with economic theory.
CEO2: To learn concepts and methods of correlation analysis.
CEO3: To apply statistical tools to economic problems.
CEO4: To understand regression analysis in economics.
CEO5: To study time series and index numbers.

Course Outcomes:

Students shall be able to:

CO1 Calculate measures of central tendency and dispersion.
CO2: Analyze relationships using correlation techniques.
CO3: Apply statistical methods to economic data.
CO4: Predict general outcomes using regression analysis.
CO5: Construct and interpret index numbers and time series data.

Contents

UNIT I: Measure of Central Tendency

Arithmetic Mean, Mode and Median, Geometric Mean, Use and Properties of G.M., Merits and Demerits of G.M., Harmonic Mean, Computation of H.M. Merits and Demerits of H.M

UNIT II: Measures of Dispersion and Inequality

Concept of dispersion, Range, Interquartile Range, Percentile Range. Quartile Deviation, Mean Deviation and its coefficient. Standard Deviation. Lorenz Curve and Gini Coefficient.

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BAECO203	Major	Quantitative Techniques	60	20	20	0	0	3	0	0	3

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UNIT III: Correlation Analysis

Meaning, Types and degrees of correlation, Mathematical methods: Karl Pearson's Coefficient of Correlation and Spearman's Rank Correlation.

UNIT IV: Regression analysis

Meaning of Regression Analysis, Simple Linear Regression Model, Methods of estimation: Scatter Diagram and Least Squares Method.
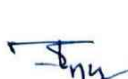
UNIT V: Time Series and Index Numbers

Meaning, and Types of Index Numbers, Methods of Constructing Index Numbers: Fixed Base, Chain Base, Weighted Index Number. Meaning and definition of time series, Components of time series: Trend, Seasonal, Cyclical and Irregular variations.

Suggested Readings:

1. Gupta, S.P.& Gupta, M.P. (2010). *Business Statistics.* New Delhi: Sultan Chand & Sons
2. Shukla, S.S. & Sahay, S.P. (2008). *Statistical Analysis.* Agra: Sahitya Bhawan Publications
3. Gupta, S.P. (2012). *Statistical Method.* New Delhi: Sultan Chand &Sons

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