GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Master of Business Administration

Level: PG

Branch: Fintech

Course / Subject Code: MB01098021

Course / Subject Name : Macro Economics

W. e. f. Academic Year	2025-26
Semester	1
Category of the Course:	Core Course (CC)

Prerequisite:	Not required
Rationale:	The course aims to provide students with a comprehensive understanding of the macroeconomic environment and its influence on the fintech domain. Students will learn the interplay between macroeconomic factors such as inflation, fiscal policy, monetary policy, and economic growth, and how they affect financial markets, institutions, and the fintech industry.

Course Outcomes:

No.	Course Outcomes	RBT Level
01	To remember fundamental macroeconomic concepts such as national income, inflation, unemployment, and monetary aggregates.	Remember
02	To Understand the functioning of macroeconomic systems, including consumption patterns, fiscal and monetary policies, and the circular flow of income.	Understand
03	To Apply macroeconomic theories and policy tools to assess their impact on business decisions and financial markets.	Apply
04	To Analyze macroeconomic indicators and trends to study their influence on financial systems, investment strategies, and FinTech operations.	Analyse

Teaching and Examination Scheme:

(in Total Hours (TH) per semester)					Total Credits =TH/30	Assessment Pattern & marks					Total Marks
						Theory		Tutorial / Practical			
L	T	PR	PBL	TH	C	ESE (E)	PA (M)	PA (I)	PBL (I)	ESE (V)	
45	0	30	45	120	4	70	30	20	30	0	150

** Problem Based Learning (PBL) aims to accommodate learning beyond syllabus as per clause 9.4 of NBA manual.*

Course Content:

Unit No.	Content	No. of Hours	Marks
1	**Introduction to Macroeconomics:** Micro vs. Macro Economics, Definition, scope, and importance of macroeconomics, Key concepts: GDP, GNP, NDP, NNP, Per Capita Income, inflation, unemployment, interest rates, Basic macroeconomic models and their relevance to fintech **National Income Accounting:** Methods of calculating GDP (Income, Expenditure, and Output approaches), Real vs Nominal GDP, Methods of Measuring National Income, Real vs. Nominal GDP, GDP Deflator	10	14
2	**Money and Banking:** Functions and Types of Money, Money Supply (M1 to M4), the role of money and financial institutions in the economy, Functions of financial markets and institutions, **Central banking and Monetary Policy:** Functions of RBI, Tools and objectives and Monetary Policy, Impact of interest rates on fintech markets, Role of fintech in disrupting traditional banking systems (e.g., digital wallets, digital currency)	13	21
3	**Consumption, Savings, and Investment:** Keynesian Consumption Function, Marginal Propensity to Consume and Save, Determinants of Investment, Role of Interest Rates and Expectations **Inflation, Unemployment, and Economic Growth:** Inflation: Causes, measurement (CPI, PPI), and effects on financial markets, Types and impact of Unemployment on the finance sector, Economic Growth theories and measurement	12	21
4	**Fiscal Policy and Public Finance** Objectives of Fiscal Policy, Public Revenue and Expenditure, Budget Deficit and Fiscal Responsibility, Union Budget and Key Components, Fiscal Policy and Economic Growth, Role of FinTech in Tax Administration and Budget Transparency	10	14

	Globalization and the Fintech Ecosystem: Balance of Payments and Exchange Rate Systems, Globalization and its effects on financial markets, Role of International Institutions: IMF, World Bank, WTO, Regulatory challenges and opportunities for fintech companies, the future of fintech in a globalized economy		
5	Practical: Students will engage in projects, assignments, and case studies linking macroeconomic principles to the fintech industry, including analyzing fiscal policies, exchange rate fluctuations, globalization and union budget. They will also explore fintech disruptions in banking, and conduct a macro-fintech ecosystem analysis, enhancing their understanding of how macroeconomic factors shape the future of fintech sector.	30+45	**PA(I) + PBL* (I) assessment (50)**
		120	**70+30 (50)**

Suggested Specification Table For Question Paper Design:

Distribution of Theory Marks (in %)					
R Level	**U Level**	**A Level**	**N Level**	**E Level**	**C Level**
10	**40**	**30**	**20**	**-**	**-**

***RM: Remember, UN: Understand, AP: Apply, AN: Analyze, EL: Evaluate, CR: Create (as per revised Blooms Taxonomy)**

Suggested Learning Resources:

S. No.	**Title of Book**	**Author**	**Publication with place, year and ISBN**
1	Macroeconomics Theory and Policy	Diwedi D N	Tata McGraw Hill
2	Macroeconomic Theory and Policy	H.L. Ahuja	S. Chand Publishing
3	Macro economics	Edward Shapiro	Oxford University press
4	Macro economics	Gregory Mankiw	Cengage Learning
5	Macro-economic Theory	Eugene Diutio	Tata McGraw Hill
6	Macro Economics	Errol D‘Souza	Pearson Education
7	Principals of Economics	Salvetor D and E A Diulio	Tata McGraw Hill

Note: Wherever the standard books are not available for the topic appropriate print and online resources, journals and books published by different authors may be prescribed

List of Journals / Periodicals / Magazines / Newspapers / Web resources, etc.

1. The American Economic Review (AER)
2. Journal of Monetary Economics (JME)
3. The Quarterly Journal of Economics (QJE)
4. Review of Economic Studies (REStud)
5. Journal of Economic Theory (JET)

CO-PO Mapping

Semester-1	Macro Economics				
	POs				
Course Outcomes	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**
CO1	2	2	1	1	0
CO2	1	0	3	0	0
CO3	2	1	1	1	1
CO4	0	2	0	2	2