

Course Code	Course Title	L	T	P	C
BAMGT303	Financial Management	3	1	0	4
Pre-requisite	Financial and Cost Accounting	Syllabus Version			
		1			
Course Objectives					
Develop a comprehensive understanding of core concepts in financial management—time value of money, risk and return, capital structure, and cost of capital—and their application to managerial decision-making. Enable students to analyze and evaluate investment, financing, and dividend decisions using traditional and technology-assisted (AI/ML) financial models. Equip learners with practical skills to manage working capital, optimize liquidity, and forecast financial performance through data-driven insights and predictive analytics.					
Course Outcomes					
Explain the objectives, scope, and environment of financial management, including the importance of time value of money in financial decision-making. Apply valuation models to estimate the worth of securities and analyze risk—return relationships using both traditional and AI-based predictive tools. Analyze the impact of operating and financial leverage on profitability and assess the cost of capital using quantitative and computational methods. Evaluate capital budgeting alternatives and project proposals by incorporating uncertainty, risk, and machine learning—based forecasting techniques. Apply principles of working capital, cash, and receivable management to optimize liquidity and short-term financing decisions.					
Module:1	Introduction	7 hours			
Introduction: Introduction to Financial Management - Goals of the firm - Financial Environments. Time Value of Money: Simple and Compound Interest Rates, Amortization, Computing more than once a year, Annuity Factor. (AI/ML Application: Use of AI tools for predictive cash flow modeling and scenario analysis.)					
Module:2	Valuation of Securities Risk and Return	11 hours			
Valuation of Securities: Bond Valuation, Preferred Stock Valuation, Common Stock Valuation, Concept of Yield and YTM. Risk & Return: Defining Risk and Return, Using Probability Distributions to Measure Risk, Attitudes Toward Risk, Risk and Return in a					

Portfolio Context, Diversification, The Capital Asset Pricing Model (CAPM). (AI/ML Application: Machine learning for portfolio optimization and risk prediction.)		
Module:3	Leverage Cost of Capital	7 hours
Operating & Financial Leverage: Operating Leverage, Financial Leverage, Total Leverage, Indifference Analysis in leverage study. Cost of Capital: Concept, Computation of Specific Cost of Capital for Equity - Preference - Debt, Weighted Average Cost of Capital - Factors affecting Cost of Capital. (AI/ML Application: AI-driven sensitivity analysis for cost of capital scenarios.)		
Module:4	Capital Budgeting	7 hours
The Capital Budgeting Concept & Process - An Overview, Generating Investment Project Proposals, Estimating Project, After Tax Incremental Operating Cash Flows, Capital Budgeting Techniques, Project Evaluation and Selection - Alternative Methods. (AI/ML Application: Predictive analytics for project cash flow estimation and ROI forecasting.)		
Module:5	Working Capital Cash and Receivables Management	11 hours
Overview: Working Capital Issues, Financing Current Assets (Short Term and Long Term Mix). Cash Management: Motives for Holding Cash, Speeding Up Cash Receipts, Slowing Down Cash Payouts, Electronic Commerce, Outsourcing, Cash Balances to Maintain, Factoring. Accounts Receivable Management: Credit & Collection Policies, Analyzing the Credit Applicant, Credit References, Selecting Optimum Credit Period. (AI/ML Application: AI-based tools for cash flow forecasting, automated credit scoring, and receivables optimization.)		
Module:6	Contemporary issues	2 hours
Emerging trends in financial management, including the role of AI/ML in financial decision-making, algorithmic trading, and blockchain applications.		
Total Lecture Hours:		45 hours
Tutorial Hours:		15 hours
Text Book(s)		
Chandra, P. , " Financial Management: Theory & Practice ", McGraw Hill Education, 11 th Edition, 2020 Pandey, I. M. , " Financial Management ", Vikas Publishing House, 13 th Edition, 2021		
Reference Books		

López de Prado, M. , "Advances in Financial Machine Learning", Wiley, 1st Edition, 2018 Hilpisch, Y., "Artificial Intelligence in Finance: A Python-Based Guide", O Reilly Media, 1st Edition, 2020 Ross, S. A., Westerfield, R. W., & Jaffe, J. F. , "Corporate Finance", McGraw Hill Education, 12th Edition, 2016 Brigham, E. F., & Houston, J. F. , "Fundamentals of Financial Management ", Cengage Learning, 15th Edition, 2019	
Mode of Evaluation: Continuous Assessment Test, Quiz, Final Assessment Test, Seminar, Presentation	
Recommended by Board of Studies :	26-09-2025
Approved by Academic Council : No. 80	20-11-2025