COURSE MODULE: INVESTMENT ANALYSIS & PORTFOLIO MANAGEMENT

Course Coordinator: **Ms. Kavana J**				Academic Year: **2026-27**	
Department: **MBA**					
Course Code	Course Title	Core/Elective	Prerequisite	Contact Hours L: T: P	Total Hrs./ Sessions
MBA FM314	**Investment Analysis & Portfolio Management**	**Elective**	**-**	**4:0:0**	**50**

Course Learning Objective:

1. To acquaint students with fundamental concepts of capital market and its instruments.
2. To understand techniques to evaluate and analyze risk and return characteristics of securities such as individual stocks, mutual funds etc.
3. To provide basic knowledge of the theories and practices of modern portfolio choice and investment decision

Teaching-Learning Process (General Instruction):

1. The course will be taught through interactive lectures and practical examples related to investment and portfolio management.
2. Numerical problems and classroom exercises will be used to develop analytical skills.
3. Case studies and real-world market examples will be discussed to understand investment decisions.
4. Question-and-answer sessions and classroom discussions will be conducted to reinforce important concepts.
5. Assignments and presentations will be used for continuous learning and evaluation.

Module-1

Introduction to Investment: Investment Avenues, Attributes, Investor V/s speculator, Features of a good Investment, Investment Process.

Financial Instruments: Money Market Instruments, Capital Market Instruments, Derivatives. Securities Market: Trading & Settlement Procedure, Stock Market Indicators- Indices of Indian Stock Exchanges. Mutual Funds: Concept of Mutual Funds, Participants in Mutual Funds, Advantages of Investment in Mutual Fund, Types of Mutual funds. (Only Theory).

TLP: Power Point Presentation, Video demonstration or simulations, Chalk and Talk

Module-2

Return and Risk Concepts: Concept of Risk, Causes of Risk, Types of Risk- Systematic risk- Market Price Risk, Interest Rate Risk, Purchasing Power Risk, Unsystematic Risk- Business risk, Financial Risk, Insolvency Risk, Risk-Return Relationship, Concept of diversifiable risk and non- diversifiable risk. Calculation of Return and Risk of Individual Security & Portfolio (Theory & Problems).

TLP: Power Point Presentation, Video demonstration or simulations, Chalk and Talk

Module-3

Valuation of Securities: Bond – Meaning, features, types, determinants of interest rates, Bond Valuation, Bond Duration, Bond Management Strategies. Preference Shares- Concept, Valuation. Equity Shares- Concept, Valuation, Dividend Valuation Models, P/E Ratio valuation model. (Theory & Problems).

TLP: Power Point Presentation, Video demonstration or simulations, Chalk and Talk

Module-4

Fundamental & Technical Analysis: Macro-Economic and Industry Analysis: Fundamental analysis-EIC Frame Work, Economy Analysis, Industry Analysis, Company Analysis- Financial Statement Analysis. Market Efficiency: Efficient Market Hypothesis, Forms of Market Efficiency, Empirical test for different forms of market efficiency. Technical Analysis – Concept, Theories- Dow Theory, Eliot Wave theory. Charts-Types, Trends and Trend Reversal Patterns. Mathematical Indicators –Moving Average Convergence-Divergence, Relative Strength Index (Theory only).

TLP: Power Point Presentation, Video demonstration or simulations, Chalk and Talk.

Module-5

Modern Portfolio Theory: Markowitz Model- Diversification, Portfolio Return, Portfolio Risk, Efficient Frontier. Sharpe's Single Index Model, Capital Asset Pricing Model: Assumptions, CAPM Equation, Capital Market Line, Security Market Line, CML V/s SML. Sharpe's Optimum Portfolio Construction, Optimum Portfolio with Short sales (Theory & Problems).

TLP: Power Point Presentation, Video demonstration or simulations, Chalk and Talk

Module-6

Portfolio Management Strategies and Performance Evaluation: Portfolio Management Strategies: Active and Passive Portfolio Management strategy. Portfolio Revision: Portfolio Revision Strategies – Objectives, Performance plans. Measure of Mutual Fund Performance. Portfolio performance Evaluation: Sharpe's Performance Index, Treynor's Performance Index and Jensen's Performance Index (Theory & Problems).

TLP: Power Point Presentation, Video demonstration or simulations, Chalk and Talk

Course Outcomes:

At the end of the course, the student will be able to:

CO1 Understand the capital market and various Instruments for Investment.

CO2 Assess the risk and return associated with investments and methods to value securities.

CO3 Analyze the Economy, Industry and Company framework for Investment.

CO4 Learn the theories of Portfolio management and also the tools and techniques for efficient portfolio management.

Assessment Details (both CIE and SEE)

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing marks for the CIE is 50% of the maximum marks. Minimum passing marks in SEE is 40% of the maximum marks of SEE. A student shall be deemed to have satisfied the academic requirements (passed) and earned the credits allotted to each course if the student secures not less than 50% in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

Continuous Internal Evaluation:

Continuous Internal Evaluation: There shall be a maximum of 50 CIE Marks. A candidate shall obtain not less than 50% of the maximum marks prescribed for the CIE

1. Two Unit Tests each of **50 Marks (Will be reduced to 25 marks)**

2. Two assignments each of **25 Marks** or **one Skill Development Activity of 50 marks**

to attain the COs and POs

The sum of two tests, two assignments/Skill Development Activities, will be **scaled down to 50 marks CIE methods /question paper is designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.**

Semester End Examination:

The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 50.

- The question paper will have 8 full questions carrying equal marks.
- Each full question is for 20 marks with 3 sub questions.
- Each full question will have a sub question covering all the topics.
- The students will have to answer five full questions; selecting four full questions from question number one to seven in the pattern of 3, 7 & 10 Marks and question number eight is compulsory.
- 40 percent theory and 60 percent problems in the SEE.

List of Text Books

1. Investment Analysis and Portfolio management, Prasanna Chandra, Tata McGraw Hill, 3/e, 2010.
2. Security Analysis & Portfolio Management, S Kevin, Tata McGraw Hill, 2014.
3. Security Analysis & Portfolio Management, Punithavathy Pandian, Vikas Publications, 2/e, 2018.
4. Security Analysis & Portfolio Management – Fisher and Jordan, 6/e Pearson, PHI.
5. Investments –Zvi Bodie, Kane, Marcus & Mohanty, TMH, 8th Edition, 2010.
6. Investment management (Security Analysis and & Portfolio Management), Bhalla V.K., Vikas Publications, 19/e, 2018.

Weblinks links and Video Lectures (e-Resources):

- https://www.digimat.in/nptel/courses/video/110105035/L01.html
- https://www.youtube.com/watch?v=Fv63XWOlERM
- https://www.youtube.com/watch?v=NIjucusocFw
- https://www.digimat.in/nptel/courses/video/110105035/L02.html
- https://www.pdfdrive.com/investment-management-e1833037.html
- https://www.youtube.com/watch?v=5QuK8L1g2r4

Mapping of COS and POs

	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4
CO1	1				2	3			
CO2			2				2		
CO3				3				2	
CO4		2		2					3