



Chapter 1 - Introduction to Financial Markets and Institutions

- **Overview of Financial Markets**
 - Types of Financial Markets
 - Capital Markets
 - Money Markets
 - Derivatives Markets
 - Foreign Exchange Markets
 - Functions of Financial Markets
 - Allocation of capital
 - Price Discovery
 - Liquidity Provision
 - Risk Management
 - Market Participants
 - Investors
 - Financial Institutions
 - Regulators
- **Financial Instruments**
 - Stocks
 - Common vs. preferred stocks
 - Stock valuation methods (e.g., dividend discount model)
 - Bonds
 - Types of bonds (government, corporate, municipal)
 - Bond pricing and yield
 - Derivatives
 - Futures contracts
 - Options contracts
 - Swaps (interest rate, currency)
 - Commodities
 - Types of commodities (energy, metals, agriculture)
 - Commodity trading and valuation
- **Financial Institutions**
 - Role of Banks
 - Commercial banks: deposit-taking, lending, payment services
 - Investment banks: underwriting, advisory services
 - Non-Bank Financial Institutions
 - Insurance companies: risk pooling and underwriting
 - Pension funds: retirement savings and investment
 - Central Banks and Monetary Policy
 - Functions of central banks (e.g., Federal Reserve, ECB)





- Tools of monetary policy (interest rates, open market operations)
- **Regulatory Environment**
 - Key Financial Regulations and Bodies
 - Securities laws (e.g., Sarbanes-Oxley Act, Dodd-Frank Act)
 - Regulatory agencies (e.g., SEC, CFTC)
 - Understanding Compliance and Ethics
 - Regulatory compliance requirements
 - Ethical issues and standards in finance

Chapter 2 - Financial Statements and Analysis

- **Understanding Financial Statements**
 - Income Statement
 - Revenues and expenses
 - Gross profit, operating income, net income
 - Earnings per share (EPS)
 - Balance Sheet
 - Assets
 - Liabilities
 - Equity
 - Cash Flow Statement
 - Operating activities
 - Investing activities
 - Financing activities
 - Key Components and Terminology
 - Key financial metrics (e.g., revenue, operating income, net assets)
 - Accounting principles (e.g., GAAP, IFRS)
- **Financial Ratio Analysis**
 - Liquidity Ratios
 - Current ratio
 - Quick ratio (acid-test ratio)
 - Profitability Ratios
 - Gross profit margin
 - Net profit margin
 - Return on assets (ROA), return on equity (ROE)
 - Solvency Ratios
 - Debt-to-equity ratio
 - Interest coverage ratio
 - Efficiency Ratios
 - Inventory turnover ratio
 - Receivables turnover ratio
 - Asset turnover ratio
- **Financial Statement Interpretation**
 - Analyzing Financial Health and Performance





- Assessing overall financial stability
 - Evaluating profitability, liquidity, and solvency
- Comparative Analysis
 - Horizontal analysis (comparison over time)
 - Vertical analysis (comparison within a single period)
- Trend Analysis
 - Identifying patterns and trends in financial performance
 - Forecasting future financial performance based on historical data
- **Valuation Techniques**
 - Discounted Cash Flow (DCF) Analysis
 - Calculating free cash flow
 - Determining the discount rate (e.g., WACC)
 - Estimating the present value of future cash flows
 - Price-to-Earnings (P/E) Ratio
 - Calculating P/E ratio
 - Interpreting P/E ratio in comparison to industry and market averages
 - Other Valuation Methods
 - Price-to-Book (P/B) ratio
 - Dividend Discount Model (DDM)
 - Comparable company analysis

Chapter 3 - Corporate Finance

- **Capital Budgeting**
 - Techniques for Evaluating Investment Projects
 - Net Present Value (NPV)
 - Internal Rate of Return (IRR)
 - Payback Period
 - Profitability Index
- **Capital Structure**
 - Debt vs. Equity Financing
 - Types of Debt Financing
 - Types of Equity Financing
 - Optimal Capital Structure
 - Impact on Company Valuation and Risk
 - Effects of debt on financial leverage
 - Impact of equity financing on ownership and control
 - Trade-off theory and pecking order theory
- **Dividend Policy**
 - Dividend Payout Decisions
 - Types of dividends (cash, stock, special dividends)
 - Factors influencing dividend decisions (e.g., profitability, cash flow)
 - Theories and Practices
 - Dividend Irrelevance Theory (Modigliani-Miller)





- Dividend Signaling Theory
 - Dividend Policy Models (e.g., stable dividend policy, residual dividend policy)
- **Financial Planning and Forecasting**
 - Budgeting Processes
 - Types of budgets (operating, capital, cash)
 - Budget preparation and approval process
 - Variance analysis and budget control
 - Financial Modeling and Forecasting
 - Building financial models (assumptions, projections)
 - Forecasting methods (trend analysis, regression analysis)
 - Scenario analysis and sensitivity analysis

Chapter 4 - Investment Analysis and Portfolio Management

- **Investment Basics**
 - Types of Investments
 - Stocks
 - Bonds
 - Mutual Funds
 - Risk and Return Concepts
 - Risk Types
 - Return Measurement
- **Portfolio Theory**
 - Diversification and Asset Allocation
 - Benefits of Diversification
 - Asset Allocation Strategies
 - Modern Portfolio Theory (MPT)
 - Efficient Frontier
 - Capital Market Line (CML)
 - Sharpe Ratio
- **Investment Strategies**
 - Active vs. Passive Management
 - Active Management
 - Passive Management
 - Fundamental and Technical Analysis
 - Fundamental Analysis
 - Technical Analysis
- **Performance Evaluation**
 - Measuring Investment Performance
 - Total return calculation
 - Performance metrics (e.g., alpha, beta)
 - Risk-Adjusted Returns and Benchmarks
 - Risk-Adjusted Performance Measures





- Benchmarking

Chapter 5 - Economic Principles and Applications

- **Microeconomics**
 - Supply and Demand
 - Law of Supply and Demand
 - Shifts in Supply and Demand
 - Elasticity
 - Market Structures and Competition
 - Perfect Competition
 - Monopoly
 - Oligopoly
 - Monopolistic Competition
- **Macroeconomics**
 - Economic Indicators
 - Gross Domestic Product (GDP)
 - Inflation
 - Unemployment
 - Fiscal and Monetary Policy
 - Fiscal Policy
 - Monetary Policy
 - Policy Effects
- **International Economics**
 - Trade Theories and Policies
 - Comparative Advantage
 - Trade Policies
 - Globalization and Trade
 - Exchange Rates and International Finance
 - Exchange Rate Mechanisms
 - Exchange Rate Determination
 - International Financial Markets
- **Economic Development**
 - Growth Theories
 - Classical Growth Theory
 - Endogenous Growth Theory
 - Development Economics
 - Sustainable Development and Emerging Markets
 - Sustainable Development Goals (SDGs)
 - Emerging Markets

Chapter 6 - Financial Risk Management

- **Types of Financial Risks**





- Market Risk
 - Credit Risk
 - Operational Risk
 - Liquidity Risk
- **Risk Measurement and Management**
 - Risk Assessment Techniques
 - Quantitative Techniques
 - Qualitative Techniques
 - Hedging Strategies and Instruments
 - Hedging Techniques
 - Risk Management Instruments
- **Regulatory and Compliance Issues**
 - Risk Management Frameworks
 - International Standards
 - Internal Risk Management Policies
 - Impact of Regulations on Financial Risk
 - Regulatory Requirements
 - Effects on Risk Management Practices

Chapter 7 - Behavioral Finance and Ethics

- **Behavioral Finance**
 - Psychological Factors Influencing Financial Decisions
 - Cognitive Biases
 - Emotional Influences
 - Decision-Making Heuristics
 - Common Biases and Anomalies
 - Market Anomalies
 - Investor Behavior
- **Financial Decision-Making**
 - Impact of Behavior on Investment Choices
 - Risk Perception
 - Investment Strategies
 - Strategies to Mitigate Behavioral Biases
 - Behavioral Interventions
 - Education and Awareness
- **Ethics in Finance**
 - Ethical Considerations and Dilemmas
 - Conflicts of Interest
 - Ethical Decision-Making
 - Importance of Integrity and Professionalism in Finance
 - Professional Standards
 - Building Trust

