

SCHEME OF EXAMINATION

&

SYLLABUS

OF

MASTER OF BUSINESS ADMINISTRATION
(Financial Analysis)

for

Academic Session 2019-20 Onwards

GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY



GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
Sector-16 C, Dwarka, New Delhi-110078 (INDIA).
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GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION (FINANCIAL ANALYSIS)

Criteria for Electives and Assessment

** Record to be maintained by faculty and made available to the examination branch of the University, if required.*

** The student shall select Financial Analytics or Financial Systems as the stream of specialization in the third semester. From the selected stream, at least three courses shall be opted in each of the third and fourth semester. Therefore, the student may select at the most one course from the other specialization in each of the third and fourth semesters.*

** The student is required to earn at least 104 credits to complete the degree.*

The internal assessment of the students (**out of 25 marks**) shall be as per the criteria given below:

1. Class Test-I - 15 marks

A written test to be conducted on the date communicated by the University as per Academic Calendar for the Class Test.

2. Individual Presentation/Viva-Voce/Group Discussion* - 10 marks

3. The Assessment of Summer Training Project in the Third Semester and Project Dissertation in the Fourth Semester shall be as follows.

Internal Assessment	-	40 Marks
External Assessment (Viva Voce)	-	60 Marks

Note: The Scheme and Syllabus as per the Ordinance 11 of the University.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION (FINANCIAL ANALYSIS)

FIRST SEMESTER

Code No.	Paper	L	T/P	Credits	Type of Course
MFA-101	Accounting for Management	4	-	4	Core
MFA-103	Quantitative Techniques for Finance	4	-	4	Core
MFA-105	Managerial Economics	4	-	4	Core
MFA-107	IT for Finance	3	-	3	Core
MFA-109	Personal Finance	3	-	3	Core
MFA-111	Financial Markets and Institutions	3	-	3	Core
MFA-113	Management Process and Organizational Behaviour	3	-	3	Core
MFA-115	Business Communication and Managerial Skill Development	3	-	3	Skills
MFA-151	IT for Finance – Lab	-	2	1	Skills
	Total	27	2	28	

Industrial Visit:

There may be one Industrial Visit for the students in the 1st Year either in the First Semester or Second Semester. The students will be required to submit a report and present the same to their Industrial Visit In-Charge.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION (FINANCIAL ANALYSIS)

SECOND SEMESTER

Code No.	Paper	L	T/P	Credits	Type of Course
MFA-102	Financial Management	4	-	4	Core
MFA-104	Investment Analysis and Portfolio Management	4	-	4	Core
MFA-106	Business Analytics	4	-	4	Core
MFA-108	Macro and Mathematical Economics	4	-	4	Core
MFA-110	Business Research	4	-	4	Core
MFA-112	Legal Framework of Business	3	-	3	Core
MFA-114	Marketing Management	3	-	3	Core
MFA-116	Human Resource Management	3	-	3	Core
MFA-152	Finance Lab – I (NUES)	-	4	2	Skills
	Total	29	4	31	

Note:

The Student is required to undergo Summer Training of Six to Eight Weeks immediately after the final Exam of 2nd Semester and obtain a Certificate of Training from the organization as per the format prescribed.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION (FINANCIAL ANALYSIS)
THIRD SEMESTER

Code No.	Paper	L	T/P	Credits	Type of Course
MFA-201	Summer Internship Project	-	6	6	Ability Enhancement Course
MFA-203	Financial Derivatives	3	-	3	Core
MFA-205	International Financial Management	3	-	3	Core
	Elective 1	3	-	3	Skills
	Elective 2	3	-	3	
	Elective 3	3	-	3	
	Elective 4	3	-	3	
MFA-251	Finance Lab – II (NUES)	-	4	2	Skills
	Total	18	10	26	

List of Electives

Codes	Financial Analytics
MFA-207	Financial Econometrics
MFA-209	Mergers, Acquisitions, and Corporate Restructuring
MFA-211	Sustainable Finance
MFA-213	Fixed Income Securities
MFA-215	Emerging Technologies in Finance
Codes	Financial Systems
MFA-217	Direct and Indirect Taxes
MFA-219	Central Banking
MFA-221	Commercial Banking
MFA-223	Financial Journalism
MFA-225	Venture Capital and Entrepreneurial Finance

*Note –

- 1.The Students can undertake Education cum Industrial Tour to any station within India or Abroad (optional) with the prior permission of Dean/Director.
2. For Project Dissertation to be done in 4th Semester, the allocation of Project Guide and selection of Topic will be done in the 3rd Semester and notified.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION (FINANCIAL ANALYSIS)

FOURTH SEMESTER

Code No.	Paper	L	T/P	Credits	Type of Course
MFA-202	Project Dissertation	6	-	6	Ability Enhancement Course
MFA-204	Strategic Management and Corporate Governance	3	-	3	Core
MFA-206	Behavioural Finance	3	-	3	Core
	Elective 1	3	-	3	Core
	Elective 2	3	-	3	Core
	Elective 3	3	-	3	Core
	Elective 4	3	-	3	Core
MFA-252	Finance Lab – III (NUES)		4	2	Skills
	Total	24	4	26	

Note: Syllabus for the Fourth Semester papers shall be completed by March 31 every year and for the remaining period the students shall continue to work on the assigned project.

List of Electives

Codes	Financial Analytics
MFA-208	Advanced Technical Analysis
MFA-210	Equity Valuation
MFA-212	Project Management
MFA-214	Risk Management
MFA-216	Financial Modelling
Codes	Financial Systems
MFA-218	Financial Service Marketing
MFA-220	Strategic Financial Management
MFA-222	International Accounting & Reporting

MFA-224	Investment Banking
MFA-226	Forensic Finance
Total Credits = <u>111</u>	
To obtain the degree, the student shall require <u>104</u> Credits	

FIRST SEMESTER

Accounting For Management

Course Code: MFA-101

L - 4 Credits - 4

Course Learning Outcomes: The course aims at enabling students to understand the basic accounting principles and techniques of preparing & presenting the accounts for users of accounting information. The course also familiarizes the students with the basic cost and management accounting concepts and their applications in managerial decision making.

Course Contents

Unit I

Nature of Accounting Information: Scope and Nature of Accounting, Accounting concepts, Principles & Standards, Accounting Cycle, Journalisation, Subsidiary Books; Ledger Posting, Preparation of Trial Balance, Rectification of Errors. Concept of Capital and Revenue; Expenditure & Income. Fixed Assets and Depreciation Accounting. Preparation of Final Accounts, Manufacturing Account; Trading Account, Profit and Loss Account; Balance Sheet (with adjustments)

(14 Hours)

Unit II

Cost Accounting: Objectives, Classification of Cost, Preparation of Cost Sheet, Material Cost Accounting, Perpetual Inventory Control, Inventory Valuation, EOQ, ABC Analysis, Setting of Reorder Level, Maximum Level, Minimum Level, Labour Costing, Overhead Cost Allocations, Over and Under Absorption. Job and Contract Costing, Operating Costing, Reconciliation of Financial and Cost Accounting.

(14 Hours)

Unit III

Performance Evaluation Techniques: Introduction to Budgeting and Budgetary Control; Performance Budgeting; Classification of Budget; Fixed and Flexible Budgets, Zero Based Budgeting, Standard Costing and Variance Analysis; Balanced Scorecard; Responsibility Accounting.

(14 Hours)

Unit IV

Decision Making Techniques: Marginal Costing, Application of Marginal Costing in Decision Making, Cost Volume Profit Analysis; Profit Planning, Management Accounting for Decision Making and Control; EVA; Introduction to Activity Based Costing, Target Costing, Life Cycle Costing; Uniform Costing.

(14 Hours)

Suggested Readings:

1. Arora, M. N. *Cost Accounting Principles & Practice*. Vikas Publishing House.
2. Dhamija, S. *Financial Accounting for Managers*. Pearson Education.
3. Jawahar, L. *Advanced Management Accounting*. S. Chand & Company.
4. Maheshwari, S., Suneel, K., & Maheshwari, S. K. *A Textbook of Accounting for Management*. Noida: Vikas Publishing House Pvt. Ltd.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Quantitative Techniques for Finance

Course Code: MFA-103

L – 4, Credits – 4

Course Learning Outcomes: To enable the students to understand and apply quantitative techniques in management decision making.

Course Contents

Unit I:

Descriptive statistics: Measures of Central Tendency, Concept of Dispersion, Measures of Dispersion- Absolute and Relative measures, Skewness-meaning and measures, kurtosis-meaning and Measures, kurtosis-Meaning and measure, Financial Time series-Nature, Computation of returns, Autocorrelation in Time Series, Bivariate and Multivariate Analysis: Concept of correlation, measures of correlation, Application of correlation in Financial Data, Regression meaning, Regression lines, OLS Regression- Assumptions, Computation of Regression Coefficients, Standardized and Unstandardised Regression Coefficients, Multiple Regression, Regression with Dummy variables.

(14 hours)

Unit II:

Probability Analysis – Concept and meaning of Probability, Approaches of Probability, Theorems of Probability: Addition, Multiplications, Bayes' Theorem, Probability, Theorems of Probability: Addition, Multiplication, Bayes' Theorem, Probability Distribution: Theoretical and their application in decision making- Binomial, Poisson and Normal Distribution, measuring the normality of Financial time series data.

(18 hours)

Unit III:

Linear Programming : Meaning Assumptions, Formulation of Linear Programming Model: Solution of Linear Programming Problem: Graphical and Simplex method, concept of shadow prices, Duality, Sensitivity Analysis, Special types of Linear Programming Problems-Integer Programming Assignment Modeling, Solution of Assignment Problem with Hungarian Assignment Model, Travelling salesman model, Transportation Model, Applications, Computation of Initial Feasible solution and testing its optimality, Concept of Transshipment. **(14 hours)**

Unit IV:

Decision Theory: States of Decision making, Decision Tree Analysis, Game Theory: meaning Concept and Types of Games, Principles of Dominance, Solution of Games with Algebraic, Graphical and Simplex method, Queuing Theory: meaning, Concept, operating characteristics of Queuing Model, single channel single Phase model, queuing cost behavior, Concept of learning curve and its importance in Decision making. **(10 hours)**

Suggested Readings:

1. Black, K. *Business Statistics: For Contemporary Decision Making*. India : Wiley.
2. Render, B., Stair, R., Hanna, M., & Badri, T. N. *Quantitative Analysis for Management*. Pearson Education.
3. Sharma, J. *Operations Research: Theory and Application*. India : Macmillan.
4. Taha, H. *Operations Research: An Introduction* . Pearson Education.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Managerial Economics

Course Code: MFA-105

L – 4, Credits – 4

Course learning outcomes: To provide basic theories and analysis of the behaviour of various economic agents (individuals and firms). Further, the course also aims at providing an appreciation of application of various microeconomic theories and concepts in managerial decision-making.

Course Content

Unit –I:

Introduction to Economics: Scarcity and Efficiency. The problems of economic organization, Market, Command, and Mixed Economies, The Invisible Hand. The economic role of government. Nature and scope of Managerial Economics; Role of Managerial Economics in managerial decisions making, Objectives of a Business firm, decision rules and Process of optimisation.

Demand & Supply Analysis: The Demand schedule, the Demand curve, Demand shifts, Elasticity of Demand - price Elasticity of Demand, Calculating Elasticities, Elasticity and Revenue, Income Elasticity of Demand, Cross Elasticity of Demand

Meaning and Nature of supply, supply curve and its behaviour. The Supply Curve, Behind the supply Curve, Shifts in supply, Price Elasticity of Supply. Relationship between supply and Demand, Equilibrium, Stable vs Unstable equilibrium. Price Rationing, Impact of Tax on price and quantity, legal requirements for price fixation. **(14 Hours)**

Unit-II:

Consumer Behaviour: Utility – meaning, types of utility Cardinal Approach of utility measurement, Law of Diminishing marginal utility, Law of Equi Marginal utility, Indifference Curve Approach of Utility, Consumer's Equilibrium, Separation of Price effect between Income and Substitution effect: Hicksian Vs Slutskion approach, Derivation of demand curve (from Indifference curve). Demand forecasting-meaning and techniques. **(14 Hours)**

Unit-III:

Production Analysis: Concept of Production function, law of variable proportions, Returns to factor, change of scale, Returns to scale, Concept of Isoquant curve and Budget line, Equilibrium of a Producer.

Analysis of Costs: Concepts and types of cost, Relationship between Production and Cost, Cost function, Short Run and Long Run cost curves, Economics of scale and scope, Relevant Costs, Break Even Analysis, Ideal size of Plant, Learning curve. **(14 Hours)**

Unit-IV:

Market Structures: Types of Markets and their characteristics, Price, Output, Shut Down decisions in different types of markets in Short Run and Long Run. Pricing Models in different Market Structures. Why Perfect Competition usually does not happen, Desirability of Perfect competition and Monopoly. Oligopoly and Cartels, Buyer's Vs Seller's Power. Concept of Transfer Pricing, Markup Pricing, Cyclical Pricing. **(14 Hours)**

Suggested Readings:

1. Hirschey, M. *Managerial Economics*. Thomson South-Western.
2. Salvatore, D. *Managerial Economics in a Global Economy*. McGraw-Hill.
3. Samuelson, W. F., & Marks, S. G. *Managerial economics*. John Wiley & Sons.
4. Truett, L. J., & Truett, D. B. *Managerial economics: analysis, problems, cases*. Thomson South-Western.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Information Technology for Finance

Course Code: MFA-107

L - 3 Credits - 3

Course Learning Outcomes: The primary objective of this course is to familiarize the student with basic concepts of information technology and their applications to business processes.

Course Contents

Unit I

Computer Hardware and Number System: - CPU, Computer Memory and Mass Storage Devices, Computer Hierarchy, Input Technologies, Output Technologies. Number Systems and Arithmetic: Decimal, Binary, Octal and Hexadecimal Number Systems, Binary Arithmetic.

(08 Hours)

Unit II

Computer Software: Application and System Software, Programming Languages and their Classification, Assemblers, Compilers and Interpreters. Process of Software Development, Data Analysis using Spreadsheets Operating Systems- Functions of Operating Systems, Types of Operating Systems (Batch Processing, Multitasking, Multiprogramming and Real time Systems), DBMS: Traditional File concepts and Environment, Database Management Systems Concepts, Types of Data Models, ER Modeling, Integrity Constraints, SQL queries.

(12 Hours)

Unit III

Data Communication and Networks: Concepts of Data Communication, Types of Data-Communication Networks, Communications Media, Concepts of Computer Networks, Primary Network Topologies, Network Architectures-The OSI Model, Inter-Networking devices. The Internet, Intranet and Extranets: Operation of the Internet, Services provided by Internet, World Wide Web, Creating Web Pages using HTML, Intranets and Extranets.

(12 Hours)

Unit IV

Functional and Enterprise Systems: Data, Information and Knowledge Concepts, Decision Making Process, Physical Components of Information Systems, Classification of Information Systems. Overview of Security Issues in Information Technology, Emerging Trends in Information Technology.

(10 Hours)

Suggested Readings:

1. Behl, R. *Information Technology for Management*. McGrawHill Education.
2. Brady, J. A., & F., E. M. *Problem Solving Cases in Microsoft and Excel*. Thomson Learning.
3. Dhingra, S., & Tondon, A. *Introduction to Information Technology*. Galgotia Publishing House.
4. Turban, Rainer, & Potter. *Introduction to Information Technology*. John Wiley and Sons.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Personal Finance

Course Code: MFA-109

L – 3, Credits – 3

Course Learning Outcomes: The course aims at helping students in analyzing their individual financial needs and making effective financial planning decisions.

Course Contents:

Unit I:

Planning for Personal Finance: Process of Planning and Personal Finances, Rewards for Sound Financial Planning, Personal Financing Goals, Planning Environment, Determinants of Personal Income. Mapping Financial Future, Balance Sheet of one's present worth, Income and Expenses Statement- What you earn and where you spend it, preparing and using personal financial statements, preparing and using budgets, putting a dollar value on financial goals (time value of money). Understanding Income Tax Principles, Effective Tax Planning. Role of Cash Management in Personal Financial Planning, Cash Management Products, Establishing a Saving Program. **(12 Hours)**

Unit II:

Shelter Management Meeting House Needs: Buy or Rent, Financial Criteria for buying a house, How much housing one can afford, home buying process, buying an automobile, Financing Decision of Buying a car. Credit Management, Credit Use, Basic Concept of credit, different types of credits, principles of using credit wisely, features of consumer loans, single payment loans and installment loans. **(10 Hours)**

Unit III:

Life Insurance: Basic concept, need of insurance, how much life insurance is right, choosing a right policy, key features of life, insurance policies, buying an insurance policy. Health Insurance: importance of health insurance, health insurance policies, health insurance decisions- coverage of expenses and policy provisions, health insurance check list, long term care insurance, disability insurance, property insurance, principles of property insurance, home insurance, automobile insurance, other property and liability insurance. Anything insurance claim settlement. **(10 Hours)**

Unit IV:

Investment Management: Planning Objectives, reward of investing, determination of amount of investment, securities market-types of securities, investment decisions, managing investment portfolio. Investing in Bonds- risks and benefits. Mutual funds investment, types of funds, funds services, choosing a best mutual fund, investing in real estate, investing in gold, investing in gold ETF. Retirement planning: overview, social security, pension plans, retirement programs. Estate Planning – principles of estate planning, trusts, estate taxes, estate planning Techniques. Tips for preparing a will. **(10 Hours)**

Suggested Readings:

1. Arora, M. *Rat Race to Financial Freedom*. Jaico Publishing House.
2. Bennand, J. W., & Ralph, R. F. *Personal Finance*. Pearson Education.
3. Chaudhary, P. *Your Everyday Guide to Personal Finance & Insurance*. Network Publications.
4. Joehnk, Billingslyey, & Gitman. *Planning your personal finances*. Cengage Publishing.

Financial Markets and Institutions

Course Code: MFA-111

L – 3, Credits – 3

Course Learning Outcomes: To provide the student a basic knowledge of financial markets and institutions and to familiarize them with major financial services in India.

Course Content

Unit I:

Financial Markets: Financial system and its components, functions; money market, instruments, types, regulations, Role of central bank in money market; capital markets, types, products, reforms; primary market, book building process; corporate debt market, financial markets and economic development; SEBI and recent reforms. **(10 Hours)**

Unit II:

Banking Sector: Banking sector in India, role of RBI, commercial banks, foreign banks, reports of important committees, functions of a bank, products, assets and liabilities of banks; Non-performing assets, growth and performance of Indian banking sector; Regional Rural Banks; E-banking; role and scope of payment banks, RBI, functions, objectives and reforms; recent trends in banking sector. **(12 Hours)**

Unit III:

Financial Institutions: Ministry of Corporate Affairs; Non-banking financial companies (NBFCs); Life and non-life insurance companies in India, IRDA and recent reforms; Pension Fund Regulatory and Development Authority; Development Financial Institutions (DFIs); Mutual Funds, instruments, growth and performance of mutual funds; Housing finance. **(10 Hours)**

Unit IV:

Financial Services: Merchant banking, Venture capital and private equity; Factoring & Forfeiting; Credit rating agencies; Underwriting; Portfolio management; Loan syndication, project financing; brokerage services. **(10 Hours)**

Suggested Readings:

1. Bhasin, N. *Financial Institutions & Financial Markets in India: Functioning & Reforms*. New Century Publications.
2. Fabozzi., F. J. *Bond Markets Analysis and Strategies*. Pearson Education.
3. Khan, M. Y. *Indian Financial System*. McGraw Hill Education.
4. Mishkin, F. S., & Eakins, S. *Financial Markets and Institutions*. Pearson Education.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Management Process & Organizational Behaviour

Course Code: MFA-113

L – 3, Credits – 3

Course Learning Outcomes: This course is designed to expose the students to fundamental concepts of management, its processes and behavioural dynamics in organizations.

Course Contents

Unit I:

Introduction to Management: Meaning and Nature of Management, Evolution of Management, Managerial Functions, Skills, Tasks and Responsibilities of a Professional Manager, Management by Objectives. Case Study
(10 Hours)

Unit II:

Process of Management: Planning Process and Techniques, Direction – Principles and Process, Controlling – Techniques, Decision Making Models. Case Study
(10 Hours)

Unit III:

Fundamentals of Organizational Behavior: Introduction and Meaning, OB Models & Approaches, Work Force Diversity, Organizational Justice, Whistle Blowing and Social Responsibility, OB Trends, Case study

Individual Processes and Behavior: Personality, Perception, Attitude, Learning, Motivation, Managing Emotions and Stress at Work.
(10 Hours)

Unit IV:

Interpersonal Processes and Behavior: Work Teams and group Dynamics, Leadership, Conflict Management, Interpersonal Behavior and Relations Transactional Analysis, Case Study.

Organizational Processes and Structure: Organizational Design and Structure, Organizational Culture and Climate, Organizational Change and Development, Cross Cultural Organizational Behavior.
(12 Hours)

Suggested Readings:

1. Colquitt, J., LePine, J., & Wesson, M. *Organizational Behavior: Improving Performance and Commitment in the Workplace*. McGraw Hill Education.
2. Nahavandi, A., Denhardt, R. B., Denhardt, J. V., & Aristigueta, M. P. *Organizational Behaviour*. Sage Publications.
3. Robbins, J. S. *Organizational Behaviour*. Pearson Education.
4. Robbins, S. P., Judge, T. A., & Vohra, N. *Organizational Behaviour*. Pearson Education.
5. Schermerhorn, J., Osborn, R., Uhl-Bien, M., & Hunt, J. *Organizational Behaviour*. Wiley Publication.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Business Communication and Managerial Skill Development

Course Code: MFA-115

L – 3, Credits – 3

Course Learning Outcomes: The aim of the course is to train students to enhance their skills in written and oral communication through practical conduct of this course. This course will help students develop competence in communication so that they can successfully handle the challenges of all types of communication in business.

Course Content

Unit I

Fundamentals of Business Communication: Business Communication – Definition, Importance, Forms and Types of Communication (Downward, Upward, Horizontal and Lateral Communication), Formal and Informal Communication Networks, Process of Communication, Barriers and Gateways to Communication. **(10 Hours)**

Unit II

Communication Modes and Business Etiquettes: Resume Writing, Business Communication via Social Network, Writing a Blog, Video-conferencing and Skype, Non – Verbal Communications, Group Discussion and Employment Interview, Business Etiquettes and Professionalism, Introduction and Greetings, Dressing and Grooming, Gifting in Business, Public Speaking, Negotiation and its relevance in Business Communication, Mass Communication. **(10 Hours)**

Unit III

Communication Analytics: Cognitive Bias in Communication, Persuasion and Influence in Communication, Elevator Pitch Building: A Narrative, Effective Listening & Feedback, Critically Understanding & Communicating, Logical Rigour, Analytical & Argumentative Writing, Business Writing, Executive Summary, Business Plan Presentation, Conversational Competence, Communicating and Networking, Crisis Communication, Writing Tough and Difficult Messages, Email Writing, Business Presentation. **(12 Hours)**

Unit IV

Practical Insights: Workshop on Interviews and Presentations, Written Analysis and Communication, Communicating Corporate Reputation, Intercultural Communication Competence, Strategic Communication in Digital Era, Strategic Negotiation Skills for Leaders. **(10 Hours)**

Suggested Readings:

1. Bovee, C., Thill, J., & Raina, R. *Business Communication Today*. Pearson Education.
2. Ihlen, O., & Heath, R. L. *The Handbook of Organizational Rhetoric and Communication*. Wiley Blackwell Publications.
3. Lerbinger, O. *Corporate Communication: An International and Management Perspective*. Wiley Blackwell Publications.
4. Lesikar, R., Flatley, M., Rentz, K., & Pande, N. *Business Communication: Connecting in a Digital World*. McGraw Hill Education.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Information Technology for Finance Lab

Course Code: MFA-151

L – 2, Credits – 1

Lab will be based on Paper MFA-107 and will basically cover the following: Operating System Commands, SQL Queries, Basic HTML Tags, Spreadsheet exercises for data analysis.

SECOND SEMESTER

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Financial Management

Course Code: MFA-102

L – 4, Credits – 4

Course Learning and Outcomes: Financial Management assumes strategic importance as it is charged with maximizing the value of the firm. The course aims at familiarizing the students with the field of finance and imbibing knowledge of theory and techniques for decision making. The students are expected to develop analytical skills by associating theory with situations. The teaching will be complemented with the use of MS-Excel software.

Course Contents

Unit I

Financial Objectives; Impact of Financial and Economical Environment on Financial Management; Time Value of Money including Pension Funds, Computation of EMI, Annuity, Annuity Due, Funds Flow Analysis, Cash Flow Statement and its Interpretation (AS-3), Financial Statement Analysis, Ratio Analysis, Common Size Statements, Du Pont Analysis. **(14 Hours)**

Unit II

Capital Structure: Net Income Approach, Net Operating Income Approach, Traditional Approach and MM Approach, Cost of Capital: Leverage Analysis, Operating Leverage, Financial Leverage, Combined Leveraged. EBIT- EPS Analysis, Capital Gearing Debt Equity Ratio, Generation of Internal Funds. **(14 Hours)**

Unit III

Conventional and DCF Methods, Inflation and Capital Budgeting, Risk Analysis and Capital Budgeting- Certainty Equivalent Factor, Risk Adjusted Discounting Rate, Decision Tree, Independent and Dependent Risk Analysis, Replacement Decisions, Sensitivity Analysis, Introduction to Financial Analytics. **(12 Hours)**

Unit IV

Walter Model, Gordon Model, MM Approach, Lintner Model, Planning of Funds through Management of Assets- Fixed and Current, Sustainable Growth Rate, Working Capital Management: Concept of Working Capital, Working Capital approaches, Working Capital Estimations, Management of Inventories; Management of Cash (Various Theoretical Models), Management of Receivables, Marketable Securities and Accounts Payables. **(16 Hours)**

Note: Use of MS-Excel Functions and Formulas should be promoted amongst students for all topics given in the syllabus.

Suggested Readings:

1. Brealey, R. R., Myers, S., Allen, F., & Mohanty, P. *Principles of Corporate Finance*. Tata McGraw Hill.
2. Brigham, E. F., & Houston, J. F. *Fundamentals of Financial Management*. Cengage Learning India Pvt Ltd.
3. Khan, M. Y., & Jain, P.K. *Financial Management: Text & Problems*. Tata McGraw Hill.
4. Prasanna, C. *Financial Management: Theory and Practice*. Tata McGraw Hill.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS
Investment Analysis & Portfolio Management

Course Code: MFA-104

L – 4, Credits – 4

Course Learning Outcomes: This course is designed to provide students with a solid conceptual and analytical basis for making investment decisions, and to establish a background for evaluating financial risk and return dynamics.

Course Contents:

Unit I

Investment: Meaning, Nature and Scope, Features of Investment, Investment Process, Investment Avenues, Investment Environment, Capital Markets and Security types, Seeking Investments in a Global Market, Concept of Risk, Types of Risks, Return on Investments, Time Value of Money, Computation of Returns and Risk of a security and Portfolio, Relationship between Risk and Return, Correlation, Covariance and Coefficient of determination, Beta of a security and Portfolio, Division of total risk to systematic and unsystematic risk. **(14 hours)**

Unit II

Capital Market Efficiency: Forms of Efficiency, Efficient Market Hypothesis, Deviation from Efficiency, Measurement of Efficiency of the Financial Markets.
Modern Portfolio Theory, Efficient Frontier, Efficient Frontier and Investor's Utility, Indifference Curve of an Investor, Equilibrium of an Investor, Single Index Model, Capital Market Theory, Capital Asset Pricing Model, Multifactor Models of Risk and Return: Arbitrage Pricing Theory, French and Fama Model. **(14 hours)**

Unit III

Valuation Principles and Practices: Analysis of Financial Statements, Macro analysis and Micro Valuation of the Stock Market, Industry Analysis, Company Analysis and Stock Valuation, Valuation of Equity, Equity Valuation Methods, Technical Analysis. Concept of Bonds, Term Structure of a Bond, Yield of a Bond, Duration of a Bond, Valuation of Bonds **(14 hours)**

Unit IV

Portfolio Management and Evaluation: Portfolio Building, Portfolio Management Strategies, Valuation of a Portfolio, Sharpe, Jensen, Treynor, Sortino, Fama-French, Information Ratio Models of portfolio valuation. **(14 hours)**

Suggested Readings:

1. Bodie, Kane, Marcus, & Mohanty. *Investments*. Tata McGraw Hill Publication.
2. Chandra, P. *Investment Analysis and Portfolio Management*. Tata McGraw Hill Publication.
3. Reilly, F., & Brown, K. *Investment Analysis and Portfolio Management*. Cengage Learning.
4. Talwar, S. *Security Analysis and Portfolio Management*. Cengage Publication.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Business Analytics

Course Code: MFA-106

L – 4, Credits – 4

Course Learning and Outcomes: The availability of large data in the organizations are compelling them find patterns in them for better decision making. This course will help the students to analyze the data using data exploration and modeling techniques

Course Contents:

Unit I:

Understanding business analytic, Importance of data in business, Framework of business analytics, Basics of R programming-Basics of R, Introduction to R libraries, Data structures and data types in R, Operators, control structures and functions in R, Lists and data frames **(12 hours)**

Unit II:

Data preparation- Treatment of missing values, Identification of outliers and Erroneous data, Data Visualization Techniques, Dimension Reduction Techniques- Principal Component Analysis.

(10 hours)

Unit III:

Supervised learning-Regression – Simple, multiple and logistic regression, K Nearest Neighbors (KNN)
Unsupervised learning- Clustering analysis, Association Rule Learning **(12 hours)**

Unit IV:

Time series analysis and forecasting: Time series patterns, forecast accuracy, moving averages and exponential smoothing, using regression analysis for forecasting **(10 hours)**

Suggested Readings:

1. Bhuwania, N. *Guide to Private Equity*. Taxmann.
2. Demaria, C. *Introduction to Private Equity; Venture, Growth, LBO & Turn-Around Capital*. Wiley Finance.
3. Lerner, J., Leamon, A., & Hardyman, F. *Venture Capital, Private Equity and the Financing of Entrepreneurship*. Wiley.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS
Macro and Mathematical Economics

Course Code: MFA-108

L – 4, Credits – 4

Course Learning Outcome: The students shall be in a position to have understanding of basic framework of principles of Macro Economics and Applied Mathematical Economics. This learning shall provide support in business decision making at strategic level.

Course Contents

Unit I

Introduction: Macroeconomics vs. Microeconomics, Branches of Macroeconomic theory, Structure of Macro Model, Multipliers, Stabilizations, Business Cycles. National Income Accounting. Capital Mobility, Exchange Rate Systems. **(14 Hours)**

Unit II

Keynesian Economics; Aggregate Demand and Supply Functions, Voluntary Unemployment, Underemployment, Ineffectiveness of Monetary Policy, Theory of Income and Employment, Money Market and Keynesian Demand for Money; IS-LM Model, Keynes vs. Hayek vs. Marx. **(14 Hours)**

Unit III

Mathematical Concepts: Application of Convexity, Continuity Functions on Theory of the Firm. Consumer Theory. Profit Maximizing Firms, Cost Benefit Analysis. **(14 Hours)**

Unit IV

Application: Probability Density Function for Measurement of Economic Growth. Conversions, Continuous Discounting/ Compounding, Existence of Nash Equilibrium, Prisoner's Dilemma and its application on Duopoly, Monopolistic Competition, Non-Cooperative Game Theory, Rent Seeking Behavior. **(14 Hours)**

Suggested Readings:

1. Chaing, A., & K., W. *Fundamental Methods of Mathematical Economics*. Mcgraw Hills Higher Education.
2. Chako, G., Sjoman, A., Motohashi, H., & Dessain, V. *Credit Derivatives: A Primer on Credit Risk, Modeling and Instruments*. Wharton School Publishing.
3. Dixit, A., & Nalebuff, B. *Thinking Strategically: The Competitive Edge in Business, Politics and Everyday Life*. New York: W.W. Norton & Company.
4. Froyen. *Macroeconomics: Theories and Policies*. Pearson.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Business Research

Course Code: MFA-110

L – 4, Credits – 4

Course Learning Outcomes: To enable students conceive and execute business research by giving essential inputs on research methodology.

Course Content

UNIT I

Introduction to Research: Meaning & definition of Research – Relevance and significance of Research in business – Types of Research – Research problems – Evolution of Research – Overview of Research methodology, Research Process-Steps involved; Concept of Hypothesis, types and process of Hypothesis Testing. **(14 Hours)**

UNIT II

Research Design: Meaning, Nature and classification of design – Developing an appropriate research design – Experimental Research Design – Randomized Design, Latin Square Design and Factorial Design – Basic principles, types of experimental design –Validity & Reliability.

Scales and measurements: Measurements; Different Measurement Types, their Characteristics, Different methods of measurement, Developing Scales, Classification of scales, Rating scales, Attitude scales, Thurston scale, Likert scale, Semantic Differential scale. Types of Errors in measurement. **(14 Hours)**

UNIT III

Survey Research: Introduction – Purpose – Methods of data collection – Interviews, observation, schedule, Questionnaire – other methods of data collection – Panel research, warranty cards, Pantry audit and consumer panel – Mechanical devices – Projective Techniques – Sociometry

Data Preparation: Data coding, Data cleaning, Identification Outlier, Handling Missing Values **(14 Hours)**

UNIT IV

Multivariate analysis and use of Statistical packages: Introduction – Nature and techniques of Multivariate Analysis – Analysis of dependence – Multiple Regression. Assumptions in the regression model, dummy variable treatment, testing of goodness of fit of the model and Discriminant analysis. Analysis of interdependence – Factor analysis and Cluster analysis – Application of software packages (like SPSS, Eviews, R.) **(14 Hours)**

Report writing: Types of reports – planning and organizing a research project, Harvard system of referencing – Bibliography – footnotes – checklist – evaluation of report.

Note: The above course should include lab work of a minimum of 08 hours covering the practical aspects of data analysis.

Suggested Readings:

1. Cooper, D., Schindler, P., & Sharma, J. K. *Business Research Methods*. McGraw Hill Education.
2. Hair, J. F., Black, W. C., Babin, Barry, J., & Anderson, R. E. *Multivariate Data Analysis: A Global Perspective*. Pearson Education.
3. Kumar, V. *Marketing Research: A Global Outlook*. Sage Publications.
4. Saunders, M., Lewis, P., & Thornhill, A. *Research Method for Business Students*. Pearson Education.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Legal Framework of Business

Course Code: MFA-112

L – 3, Credits – 3

Course Learning Outcomes: The students will be enabled to understand legal aspects of business in terms of various laws, which influence business in India so as to enable them to appreciate associated opportunities, risks, challenges, and their relevance in managerial decision-making

Course Contents

Unit-I

Indian Contract Act, 1872: Formation, essential elements, performance and discharge of contract, remedies for breach of contract, overview of special contracts, arbitration; Sales of Goods Act, 1930: Meaning and essential elements of contract of sales, meaning of goods, conditions and warranties, transfer of ownership, performance of contract of sales, rights of unpaid seller **(12 hours)**

Unit -II

Negotiable Instruments Act, 1881: Meaning and essential features, types, endorsement of NI, presentation of NI, Discharge of parties, liabilities of bankers, and disowner of NI; Competition Act, 2006: Objective, anti-competitive agreements, abuse of dominative position; Competition Commission of India – composition, duties, powers and functions **(10 hours)**

Unit – III

Companies Act, 2013: Meaning and essential features of company, types of companies, formation of companies, MoA, AoA, Prospectus, Company meetings, appointment, remuneration, duties and powers of directors including independent directors, CSR requirements, Overview of Insolvency and Bankruptcy Code, 2016 **(10 hours)**

Unit – IV

Consumer Protection, 1986: Consumer, Consumption for commercial purpose, Grievance redressal authorities and Mechanism; Powers and functions of Insurance Regulatory and Development Authority, Telecom Regulatory Authority of India, Securities and Exchange Board of India, Reserve Bank of India **(10 hours)**

Suggested Readings:

1. Pillai, R.S.N.; & Bagavathi. *Legal Aspects of Business*. New Delhi: S.Chand & Company Ltd.
2. Kumar, Ravinder. *Legal Aspects of Business*. Delhi: Cengage India Pvt. Ltd.
3. Kapoor, N.D. *Elements of Mercantile Law*. Delhi: Sultan Chand and Sons.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Marketing Management

Course Code: MFA-114

L – 3, Credits – 3

Course Learning Outcomes: The course aims at making students understand concepts, philosophies, processes and techniques of managing the marketing operations of a firm

Course Contents

Unit I

Introduction to Marketing: Meaning and Scope of Marketing; Marketing Philosophies; Concept of Customer Value, Marketing Management Process-An Overview; Concept of Marketing Mix; Understanding Marketing Environment; Consumer and Organization Buyer Behavior; Demand Forecasting; Market Segmentation, Targeting and Positioning; Over View of Competitive Marketing Strategies. **(12 Hours)**

Unit II

Product and Pricing Decisions: Product Concept; Product Classifications; Product Levels; Product Differentiation; Product Mix; Product Line Decisions; Product Life Cycle-Concept & Strategies; Packaging; Brand and Branding Strategies; New Product Development Process; Pricing-Pricing Objectives, Determinants of Price, Pricing Methods & Strategies. **(10 Hours)**

Unit III

Promotion and Distribution Decisions: Promotion Mix-Advertising, Personal Selling, Publicity, Direct Marketing and Sales Promotion; Integrated Marketing Communication, Channels of Distribution; Functions of Intermediaries; Channel Design Decisions, Selecting Channel Members; Channel Management; Emerging Channels of Distribution. **(10 Hours)**

Unit IV

Contemporary Marketing Trends and Issues: Rural Marketing, Social Marketing; Green Marketing; Digital Marketing; Ethical Issues in Marketing. Introduction to Marketing Analytics.

(10 Hours)

Suggested Readings:

1. Baines, P., Fill, C., Page, K., & Sinha, P.K. *Marketing: Asian Edition*. New Delhi: Oxford University Press.
2. Kotler, P., & Keller, K. *Marketing Management*. Pearson Education.
3. Lamb, C., Hair, J., Sharma, D., & Mc Daniel, C. *Marketing- A South Asian Perspective Edition*. Delhi: Cengage India Pvt. Ltd.
4. Ramaswamy, V., & Namakumari, S. *Marketing Management: A Strategic Decision Making Approach Global Perspective Indian Context*. Mc Graw Hill Education.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Human Resource Management

Course Code: MFA-116

L – 3, Credits – 3

Course Learning Outcomes: The course shall enhance the understanding of varied practices and processes of managing human resources and their relevance and contribution in terms of not only organization, but the other employees working therein, and also the society at large.

Course Contents

Unit I

Introduction to Human Resource Management: Concept of HRM, Nature, Scope, Functions, Roles and Responsibilities of HR managers; Business and organizational restructuring and its implications for human resource management; The HRM and approaches to HRM; Competitive Challenges and HRM; Workforce Diversity, Managing Protean Careers, Moonlighting Phenomenon, Psychological Contract, Developmental Leadership, Employee Engagement. **(12 Hours)**

Unit II

Strategy and Workforce Planning: HR Planning, Methods and Techniques of Forecasting the Demand and Supply of Manpower, Turnover and Absenteeism, Job analysis, Job Design and Re-design, Job Enlargement, Job Enrichment, Corporate Strategy and Human Resource Management. **(10 Hours)**

Unit III

Expanding the Talent Pool: Recruitment, Selection, Career Development Initiatives, HRM Competencies: Training & Development, Balance Scorecard (BSC). **(10 Hours)**

Unit IV

Contemporary Issues in HR – Strategic Human Resource Management, International Human Resource Management, Wellness Programs Work Life Balance and Green HRM; Different Working Patterns (e.g. day work, shift systems, flexi-time, working at home, casual employment) Human Resource Information Systems and e-HR for the digital age, Competency Mapping, Introduction to Human Resource Analytics **(10 Hours)**

Suggested Readings:

1. Denisi, A., Griffin, R., & Sarkar, A. *HR: A South Asian Perspective*. Cengage Learning.
2. Dessler, G., & B., V. *Human Resource Management*. Pearson Education.
3. Hendon, J. R., & Lussier, R. N. *Human Resource Management: Functions, Applications, and Skill Development*. Sage Publications.
4. Verhulst, S. L., Cenzo, D., & D.A. *Fundamentals of Human Resource Management*. Wiley Publication.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Finance Lab-I (NUES)

Course Code: MFA-152

L – 4, Credits – 2

Course Learning Outcomes: Students will be in a position to learn applications of computer based tools particularly MS-Excel for day to day decision making.

1. Basic MS Excel Features like paste special, offset, charts, pivot tables, concatenate, conditional formatting, transpose and lookup formulas.
2. Calculation and interpretation of basic financial decisions on MS Excel like annuities, inventory control/valuation, taxation, risk-return tradeoff, ratio analysis, variance analysis.
3. Report writing.

THIRD SEMESTER

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS
Summer Training Project

Course Code: MFA-201

L – 0, Credits – 4

All the students will submit their Summer Training Project (in duplicate) within a period of one month from the date of completion of their Summer Training to the concerned Institute/School. The supervisor in the organization under whose guidance the summer training is carried out will be required to grade the student's performance in the format prescribed by the university, attached below. Each student will be attached with one internal faculty guide, with whom he/ she shall be in continuous touch during the training period. The internal faculty guide will be required to evaluate the report (out of 40 marks) on the basis of the assessment report provided by the organization where the Summer Training has been completed and his/her own assessment about the work done by the student. The evaluation for the remaining 60 marks shall be made by an external examiner appointed by the University who shall evaluate the report on the basis of a presentation and the assessment report received from the organization where the student has undergone Summer Training.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Financial Derivatives

Course Code: MFA-203

L – 3, Credits – 3

Course Learning Outcomes: The course aims at providing detailed understanding of the characteristics and applicability of financial derivatives along with the relevant regulatory framework.

Course Content

Unit I

Financial Derivatives: An Introduction to Financial Derivative Markets; Past and Present, Concept, Purpose and Types of Financial Derivative Instruments; Forwards, Futures, Options, Swaps, and Other Derivatives; Hedgers, Arbitrageurs and Speculators. Difference between Exchange Traded and OTC Derivatives. **(10 Hours)**

Unit II

Financial Forward and Futures Contracts: Financial Forward Contracts; Concept Characteristics, and Type of Financial Forward Contracts; Equity Forward, Currency Forward; Financial Future Contracts: Concept, Characteristics, and Type of Financial Future Contracts; Stock Future, Index Future, Currency Future; Future Market-Trading and Mechanism; Future Pricing-Theories, Cost of Carry Model; Hedging strategies. **(12 Hours)**

Unit III

Financial Option and Swap Contracts: Financial Options; Concept, Characteristics and Types of Financial Options; Stock Options, Index Options, Currency Options, Commodity Options, Option on Futures, Interest Rate Options. Option Pricing Models-the Black-Scholes Option Pricing Model, Binomial Option Pricing Model, **(10 Hours)**

Unit IV

Trading & Regulatory Framework: Trading with Option, Option Strategies; Straddle, Strangle, Spreads. Option Greeks; Delta, Gamma, Theta, Vega, Rho; Exotic Option; Swaps; Concept, characteristics and Types of Swaps. Regulation of Financial Derivatives in India; Securities and Contracts (Regulation) Act (2013), Guidelines of SEBI and RBI. **(10 Hours)**

Suggested Readings

1. Chako, G., Sjomann, A., Motohashi, H., & Dessain, V. *Credit Derivatives: A Primer on Credit Risk, Modeling and Instruments*. Wharton School Publishing .
2. Chance, D., & Brooks, R. *Derivatives and Risk Management Basics*. Cengage Learning.
3. Cooper, D., Schindler, P., & Sharma, J. K. *Business Research Methods*. McGraw Hill Education.
4. Summa, J., & Lubow, J. W. *Options on Futures: New Trading Strategies*. New York: John Wiley and Sons Inc.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

International Financial Management

Course Code: MFA-205

L – 3, Credits – 3

Learning Objective Outcomes: The fundamental aim of this course is to develop the skills that equip students to understand and appreciate the international financial issues that companies face when they operate in several separate countries. The course encompasses various issues relates to international capital markets, foreign exchange rate determination and global financial management.

Course Contents

Unit I

Global Financial Environment: Overview, International Monetary System: Exchange Rate Regimes, IMF, Euro Currency Market, EURO Market, Capital Market. Balance of Payments: Understanding, Analysis & Interpretation. **(10 Hours)**

Unit II

Foreign Exchange Market: Nature, Structure, Types of transactions, Exchange rate quotation & Arbitrage, Spot & Forward. Foreign Exchange Market in India: Nature, Structure, Operations & Limitations. Exchange rate Determination: Structural Models of Exchange Rate Determination, Exchange Rate Forecasting, Exchange Rate of Rupee. **(12 Hours)**

Unit III

Foreign Exchange Risk Exposure: Types of Risk, The Risk Management Process: Hedging, Swaps, Futures, Options, Role of Regulatory Bodies. **(10 Hours)**

Unit IV

Foreign Investment Decisions: International Project Appraisal, Exchange Rate Risk & Cost of Capital, International Joint Ventures, A review of NPV Approach. **(10 Hours)**

Suggested Reading:

1. Apte, P. *International Financial Management*. McGraw Hill Education Private Limited.
2. Bhalla, V. K. *International Financial Management* . S. Chand Publishing.
3. Siddaiah, T. *International Financial Management: An Analytical Framework*. Pearson Education.
4. Vij., M. *International Financial Management*. Excel Books.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS
Finance Lab-II (NUES)

Course Code: MFA-251

L-4, Credit -2

Course Learning and Outcomes: The finance lab is based for imparting hands on approach to the students on modeling techniques for financial management, investment analysis, portfolio management, risk management, project planning, valuation and corporate restructuring. The course aims at enabling the students to learn the analytical skills on MS-Excel and other softwares for building powerful models in finance.

Unit I:

Advanced MS Excel Features like DB function, data visualization, complex function, index match, XNPV/ XIRR, PMT/IPMT and mathematical functions.

Unit II:

Calculation and interpretation of advanced financial decisions on MS Excel like capital budgeting (with risk analysis), financial analytics, valuation of equity (DDM, CAPM, arbitrage pricing model etc.), portfolio creation and evaluation, option pricing and risk management through derivatives.

Unit III:

Preparing and presenting dashboard reports.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS
Financial Econometrics

Course Code: MFA-207

L-3, C-3

Objective: This course aims at enabling the students to understand and analyse financial econometrics and developing their skills for the solution with the help of innovative financial econometrics.

Unit I

Financial Econometrics: Meaning, Nature, scope and methodology of Financial Econometrics, Types of Data, Returns in financial modelling, process of formulation of econometric model. Simple Linear Regression Model: Assumptions, Procedures and properties of OLS estimator, Co-efficient of determination, Tests of significance, Maximum Likelihood Method; Multiple Linear Regression Analysis: Method of least squares, Properties of OLS estimator, Test of significance of regression coefficient, R^2 and adjusted R^2 . **(12 Hours)**

Unit II

Issues with Classical Regression Model: Multicollinearity, Autocorrelation and Heteroskedasticity; Functional forms; Dummy variables-Nature and uses. Stationary Time Series Models: Stochastic process, Stationary, Modeling AR, MA, ARMA processes, Deterministic and stochastic trends, unit roots, testing unit roots – Dickey & Fuller, Phillips and Perron tests. **(10 Hours)**

Unit III

Modelling Volatility – Conditional Heteroscedastic Models: ARCH Models, GARCH Models, Estimation of GARCH Models, Forecasting with GARCH Model, Asymmetric GARCH Models, The GARCH-in-Mean Model, Volatility and Correlation: The VEC Model, The Diagonal VEC Model, The BEKK Model, The Constant Correlation Model, the Dynamic Correlation Model. Vector Autoregressive Models: Issues in VAR, Hypothesis Testing in VAR **(10 Hours)**

Unit IV

Advanced Topics in Regression Analysis Selected Topics: Dynamic Econometric Models: distributed lag models; autoregressive models; instrumental variable estimation; simultaneous equation models. Panel Data Models Methods of estimation; fixed effects model; random effects model. **(10 Hours)**

Suggested Readings:

1. Dougherty, C. *Introduction to Econometrics*. Oxford University.
2. Gujarati, D. N. *Basic Econometrics*. Mc GrawHill Education.
3. Studenmund. *Using Econometrics; A Practical Guide*. Pearson Education.
4. Wooldridge, J. *Introductory Econometrics - A Modern Approach*. Cengage Learning Pvt. Ltd.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Mergers, Acquisitions, and Corporate Restructuring

Course Code: MFA-209

L – 3, Credits – 3

Course Learning and Outcomes: The fundamental aim of the course is to prepare students to take advantage of the current scenario and understand how corporate restructuring is implemented. At the end of the course, the students should be able to focus on the process of restructuring, identify issues post transaction, their implications and determine the managerial actions for decision making. The course should be complemented with the use of analytical tools.

Course Content

Unit I:

Introduction to Mergers- Types of Mergers, Merger Strategy- Growth, Synergy-Operating Synergy, Financial Synergy, Diversification, Other Economic Motives, Hubris Hypothesis of Takeovers, Other Motives, Tax Motives, Financial Evaluation, Joint Venture and Strategic Alliances. **(12 Hours)**

Unit II:

Legal Aspects of Mergers/ Amalgamation and Acquisition- Provisions of Companies Act, Regulation by SEBI, Takeover Code: Scheme of Amalgamation, Approval from Court, Valuation of a Business. **(10 Hours)**

Unit III:

Methods of Valuation – Cashflow Basis, Earning Potential Basis, Growth Rate, Market Price etc., Computation of Impact on EPS and Market Price, Determination of Exchange Ratio, Impact of Variation in Growth of the Firms, MBO, LBO, Boot Strapping, Criteria for Negotiating Friendly Takeover, Financing of Merger. **(10 Hours)**

Unit IV:

Defence against Hostile Takeover- Poison Pill, Bear Hug, Greenmail, Pacman, Managing Post Merger H.R. and Cultural Issues, Cross Border Mergers and Acquisitions, Recent Cases of Corporate Restructuring. **(10 Hours)**

Suggested Readings:

1. Depamphilis, D. *Mergers, Acquisitions and Other Restructuring Activities*. Elsevier Incorporation.
2. Gaughan, & Patrick, A. *Mergers, Acquisitions and Corporate Restructurings*. Wiley India.
3. Prasad, G. G. *Mergers, Acquisitions and Corporate Restructuring*. Vikas Publications.
4. Ramanujan, S. *Mergers: The New Dimensions for Corporate Restructuring*. Tata McGraw Hill.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Sustainable Finance

Course Code: MFA-211

L – 3, Credits – 3

Course Learning Outcomes: The students will be in a position to integrate environmental social and governance criteria into the business and investment decisions for lasting benefit to the society at large.

Course Contents:

Unit I:

Sustainable development, Financial aspects of sustainable development, Sustainable finance, Alternate approaches to finance, Cases in Sustainable finance, Sustainable financial decisions, their significance and contribution to economy. **(10 Hours)**

Unit II:

Sustainable investment, concept , meaning and process of sustainable investment, Sustainable Indices, Sustainable investment strategies, Impact Investment, Socially responsible investment, Responsible investment, Environment-Society-Governance framework, Costs and benefits of Sustainable investment, Alternative investments **(10 Hours)**

Unit III:

Green Bonds, Carbon Credits, Social investment bonds, Sustainable real estate, Venture capital with an impact, Green buildings, Renewable energy financing, Forestry, natural resources, and agriculture, Risk management through sustainable methods, Understanding behaviour of clients **(11 Hours)**

Unit IV:

Balancing between profit and purpose, Sustainability as business strategy, Social entrepreneurship, Microfinance, Crowdfunding, Public equities, Hedge funds, Innovation for sustainable cause, Workforce and sustainable finance **(11 Hours)**

Suggested Readings:

1. Chesney, M., Gheysens, J., & Taschini, L. *Environmental Finance and Investments*. Springer.
2. Krosinsky, C., & Purdom, S. *Sustainable Investing: Revolutions in theory and practice*. Routledge.
3. Schoenmaker, D., & Schramade, W. *Principles of Sustainable Finance*. Oxford University Press.
4. Weber, O., & Feltmate, B. *Sustainable Banking : Managing the Social and Environmental Impact of Financial Institutions*. University of Toronto Press.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Fixed Income Securities

Course Code: MFA- 213

L – 3, Credits – 3

Course Learning and Outcomes: The course deals with fixed income securities market and aims to enable the students to analyze debt securities market and instruments, pricing and risks associated. The students should be encouraged to use MS-Excel extensively for better understanding and interpretation of the subject.

Course Contents:

Unit I:

Introduction to Fixed Income Securities-Overview of Fixed Income Securities- Basic Features of a Bond and Modifications, Risks of Investing in Bonds, Participants in Debt Market; Instruments in Fixed Income Securities Market-Central Government Securities- Auction and Bidding, Winners Curse Analysis; T-Bills; State Government Bonds; Call Money Market; Commercial Paper; Repo Instruments- Valuation; Credit Rating, Asset Backed Securities, Securitization Process. **(10 Hours)**

Unit II:

Fixed Income Valuation-Pricing of Bonds; Prices and Yields- Flat Price, Full Price, Accrued Interest; Conventional Yield Measures; Portfolio Yield; Total Return and its Applications. **(8 Hours)**

Unit III:

Bond Price Volatility-Price Volatility Characteristics of Bonds, Measures of Bond Price Volatility- Price Value of Basis Point, Yield Value of Price Change; Duration- Properties, Modified Duration, Macaulay Duration, Portfolio Duration; Convexity. **(10 Hours)**

Unit IV:

Term Structure of Interest Rates- Benchmark Spread; Term Structure of Interest Rates- Yield Curve, Yield Curve Building- Bootstrapping, Spot and Forward Rates(Nelson- Seigel Model), Theories of Term Structure of Interest Rates, Fixed Income Derivatives- FRA's , Interest Rate Swaps, Interest Rate Futures, Interest Rate Options; Bond Portfolio Management Strategies- Bond Benchmark Based Strategies, Liability Driven Strategies, Absolute Return Strategies **(14 Hours)**

Suggested readings:

1. Dun, & Bradstreet. (2008). *Fixed Income Securities*. Tata McGraw Hill.
2. Fabozzi, F. J. (2016). *Bond markets, analysis and strategies*. Pearson Education.
3. Fabozzi, F. J., & Mann, S. (2012). *The handbook of fixed income securities*. New Delhi: McGraw Hill.
4. Petitt, B., Pinto, J., & Pirie, W. (2016). *Fixed Income Analysis*. Wiley.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Emerging Technologies in Finance

Course Code: MFA-215

L – 3, Credits – 3

Course Learning Outcomes: The FinTech is transforming the financial industry in a big way. It is supporting market changes and regulation successfully. This subject will provide the students ,the understanding of technologies and its applications in financial industry.

Unit 1:

Current trends in financial technology, Digital India and its role in promoting FinTech, Role of Fintech in financial inclusion, Unified payment interface and its implications

(10 Hours)

Unit 2:

Databases, Data Mart, Data warehousing Characteristics, Data warehousing architecture, OLAP

(11 Hours)

Unit3:

Expert systems, Artificial Intelligence, Data mining techniques and its applications in finance

(10 Hours)

Unit 4:

Understanding of Block Chain Technology, its potential and applications, Overview of crypto currency, Managing security in cyber space.

(11 Hours)

Suggested Readings

1. Adriaans, P., & Zantinge, D. *Data Mining*. Pearson.
2. Anahory, S., & Dennis. *Data Warehousing in the Real World*. Pearson.
3. Chishti, S., & Barberis, J. *The FINTECH Book*. Wiley.
4. Hill, J. *Fintech and the Remaking of Financial Institutions*. Elsevier.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Direct and Indirect Taxes

Course Code: MFA-217

L – 3, Credits – 3

Course Learning Outcomes: To understand basic principles underlying Income Tax Act and its implication on business. The Course will also strengthen student to appreciate assessment procedures of tax laws.

Course Contents

Unit I

Introduction to Income Tax Act, 1961: Basis of charge, Residential status of an assessed. Income exempt from tax heads of Income, Deduction from total income. Income Tax on Fringe benefits. **(12 Hours)**

Unit II

Advance payment of Income Tax: Procedure for Assessment, Appeals and Revision, Penalties, Offences and Prosecution, Income Tax authorities, Filing of ITR. **(10 Hours)**

Unit III

Indirect Tax GST: Need for GST concept of One Nation- One Tax, Dual GST Model: CGST & SGST. UTGST; GST Council, its functionary and role; Registration under GST. **(10 Hours)**

Unit IV

Input Tax Credit: Its eligibility; time and place of supply. Valuation in respect of supply; Tax Invoice, credit and debit notes, account and other records compilation of tax liability; Interest on delayed payment, returns and audit. **(10 Hours)**

Suggested Readings:

1. Ahuja, G., & Gupta, R. *Simplified Approach to Corporate Tax Planning and Management*. New Delhi: Bharat Law House Pvt. Ltd.
2. Ahuja, G., & Gupta, R. *Systematic Approach to Income Tax, Service Tax and VAT*. New Delhi: Bharat Law House Pvt. Ltd.
3. Singhania, V., & Singhania, M. *Corporate Tax Planning and Business Tax Procedures*. Delhi: Taxman Publications.
4. Singhania, V., & Singhania, M. *Student's Guide to Income Tax*. Delhi: Taxman Publications.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Central Banking

Course Code: MFA- 219

L – 3, Credits – 3

Course Learning Outcomes: The students will be in a position to understand central banking as an institution which manages supply of currency control over interest rates monetary policy of the country and also supervisory function for commercial banking system.

Course Content

Unit I :

Rationale and Functions of Central Bank: Evolution and Functions of Central Banking : Evolutions of Theory and Practice of Central Banking, Development of Central Banks in Developed and Developing countries. Functions of a Central Bank : Banker to Government, Banker to Banks, Monetary policy Functions, Currency Issue and Management, Payment system function, Maintaining Internal and External values of currency, Regulation, Facilitation and supervision of Financial System, Promotional Functions to support growth and other National objectives, Development of Financial Markets, Institutions and communication policies. Contemporary Issues : Desirability, Autonomy and independence, Credibility, accountability and transparency of a Central Bank, conflict with fiscal policies. **(12 Hours)**

Unit II:

Central banking in India: Reserve Bank of India : Organizational evolution, Constitution and Governance, Major organizational and Functional Developments over time, Recent Developments, RBI Act. Banking Regulation Act, Banking Ombudsman Scheme, Financial Sector reforms, other financial regulators and division of functions. **(10 Hours)**

Unit III:

Monetary Policy and Credit Policy : Monetary Policy : Objectives, Reconciling dual objectives, The Taylor Rule, Indicators of Policy, instruments of policy (Bank Rate, OMO, Repo rate, Reverse Repo Rate, CRR, SLR etc.), policy Transmission mechanism and channels, transparency of policies, Lags in policy. Credit Policy : Objectives, Theory and Practice, Instruments. Striking balance between inflation and growth through monetary and fiscal policies. **(10 Hours)**

Unit IV :

Supervision and Financial Stability : Indian Financial System : Constituents of Indian Financial Markets and their Regulation. Evolution of Bank Regulation and supervision. Financial Stability: Financial Development Vs Financial stability, Risks to Financial stability, Early warning signals and remedial action, Liquidity Management, Regulation and supervision of Banks, Risk Management in Banks, The Basel Norms, Prudential Norms, Effect of liberalization and Globalization on Financial Stability, Linkage to International Financial Stability, International standards and codes. Role of Supervisor under Basel Norms. **(10 Hours)**

Suggested Readings:

1. Blinder, A. S. *Central Banking in Theory and Practice*. The MIT Press.
2. Rajan, R. *I do what I do. Central Banking*. Harper Business.
3. Moenjk, T. *Central Baking: theory and Practice in Sustaining Monetary and Financial Stability*. Wiley Finance.
4. Warriar, M. *India's Decade of Reforms; Reserve Bank of India at Central Stage*. Notion Press.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Commercial Banking

Course Code: MFA-221

L – 3, Credits – 3

Course Learning Outcome: The fundamental aim of this course is to familiarise students with the importance and functioning of commercial banks globally and in India.

Course Contents

Unit I

Origin, Growth and Development of Banking, History of Banking in India, Structure of Indian Banking, Types of Banks and Banking Systems, Commercial Banking: Meaning & Products, Customer Relation, KYC. **(12 Hours)**

Unit II

Emerging trends in Banking, Financial Sector Reforms, Technological Impact on Banking, Banking of the Future, Rural Banking, Universal Banking, Micro Financing, Financial Planning and Wealth Management, Investment Portfolio, Liquidity Positions/Reserves. **(10 Hours)**

Unit III

Risk Management in Banking: Managing and Hedging Risks in Banking. Management of Sources of Funds including Deposits, Borrowed Funds, Fee Income, and Capital. Lending Policies and Procedures. Challenges in the Banking Industry. **(10 Hours)**

Unit IV

Basel Accords, Role of RBI in Commercial Banking, RBI Act, Branch Licensing Policy, Monetary Policy Objectives, Anti Money Laundering, Money Supply and Control of inflation, Interest Rate Policy and its Implications. **(10 Hours)**

Suggested Readings:

1. Gup, & Kolari. *Commercial Banking: The Management of Risk*. Wiley.
2. Kunjukunju, B. *Commercial Banks in India: Growth, Challenges & Strategies*, . New Century Publications.
3. Machiraju, H. *Modern Commercial Banking*. New Age Publishers.
4. Parameswaran, R. *Indian Banking*. S.Chand.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Financial Journalism

Course Code: MFA-223

L – 3, Credits – 3

Course Learning Outcomes: This course is designed to help the students in acquiring skills for financial reporting to print media and for making presentation to stake holders.

Course Contents:

Unit I

Introduction to Financial Journalism : Introduction to business and economic journalism, principles of good business writing, writing news blogs, differences in technique for reporting news for text, TV, radio and social media; digging facts and getting the story.

(11 Hours)

Unit II

Reporting Economics and Markets: Basics of macro economics and financial markets, recent Developments in stock markets, reporting banking news, reporting financial markets news, business stories within the Government, International Business Reporting.

(11 Hours)

Unit III

Reporting Business and Personal Finance: Evaluating a company's financial performance and its reporting, basic company news story, mergers and acquisitions, understanding personal finance matters and reporting in media.

(10 Hours)

Unit IV

Reporting Legal and Ethical Issues : Legal and Ethical Environment - Legal and Ethical Issues in Business, Journalism and Corporate Communication, media ethics and new technologies, impact of mass media and political transparency.

(10 Hours)

Note: Students are expected to keep themselves updated with latest developments in the subject from financial dailies like The Economic Times, Financial Express etc., watch business channels e.g. CNBC, NDTV Profit, ET Now etc. and get updates from websites of SEBI, NSE etc. and social media.

Suggested Readings:

1. Aggarwal, S. K. *Stock Market and Financial Journalism*. Shipra Publications.
2. Hayes, K. *Business Journalism: How to report on Business and Economics*, Apress Publications.
3. Kinsey, M. *Financial Journalism: Money Matters*. Routledge Publishers.
4. Roush, C. *Show me the Money: Writing Business and Economic Stories for Mass Communication*. Routledge Communication Series.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Venture Capital and Entrepreneurial Finance

Course Code: MFA-225

L – 3, Credits – 3

Course Learning Outcomes: It is intended to develop comprehensive understanding of venture capital as a form of financing small, early stage, emerging firms that are deemed to have high growth potential. It will also expose students to regular sources of financing of different kinds of enterprises.

Course Content

Unit 1:

Introduction to Entrepreneurship: Decision to Become an Entrepreneur- introduction to entrepreneurship. Developing successful business ideas- Recognizing Opportunities and Generating Ideas, Feasibility Analysis, Writing a Business Plan, Developing an Effective Business Model.

(12 Hours)

Unit 2:

Moving from an Idea to an Entrepreneurial Firm: Preparing the Proper Ethical and Legal Foundation, assessing a New Venture's Financial Strength and Viability, building a New-Venture Team, Getting Financing or Funding.

(10 Hours)

Unit 3:

Managing and Growing an Entrepreneurial Firm: Unique Marketing Issues, The Importance of Intellectual Property, preparing for and Evaluating the Challenges of Growth, Strategies for Firm Growth, Franchising.

(10 Hours)

Unit 4:

Global aspects of entrepreneurship and Crowdfunding: Global aspects of entrepreneurship- Strategies for going global, barriers to International Trade, International trade agreements Crowdfunding- crowdfunding with pledges, crowdfunding campaigns, Alternative crowdfund, Crowdfunding vs crowdsourcing.

(10 Hours)

Suggested Readings:

1. Barringer, B. R., & Ireland, R. D. *Entrepreneurship: Successfully Launching New Ventures*. Pearson.
2. Harrison, R. *Crowdfunding and Entrepreneurial Finance*. Routledge.
3. Rogers, S., & Makonnen, R. *Entrepreneurial Finance: Finance and Business strategies for the serious Entrepreneur*. McGraw-Hill Education.
4. Zimmerer. *Essentials of Entrepreneurship and Small Business Management*. Prentice Hall.

FOURTH SEMESTER

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Project Dissertation

Course Code: MFA-202

Credits – 6

Every student will be assigned a project topic in the third semester and it will be pursued by him/her in the fourth semester under the supervision of an internal supervisor. The dissertation along with a soft copy will be submitted by the students in their respective institutions in the fourth semester. The filled questionnaires, if applicable, be also submitted in the respective Institutions along with the report. The suggested format of the report is given below:

- Executive Summary
- Introduction- Problem Purpose Statement
- Objectives of the Research Undertaken
- Literature Review
- Hypothesis, if any
- Research Methodology
- Data Analysis
- Findings and Conclusions
- Recommendations
- References/ Bibliography
- Appendices – to include questionnaire, if any

The student shall be required to submit progress reports as per the schedule to be announced by the School/Institutions for assessment by the internal project guide. The total marks will be 100 out of which 60 marks will be given by the external examiner and 40 marks to be given by the internal Project Guide. The internal assessment shall be done on the basis of a presentation by the student as per the assessment schedule to be decided and announced by the School/Institution. The external assessment shall be done on the basis of a Viva Voce and the report by an examiner to be appointed by the University.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Strategic Management and Corporate Governance

Course Code: MFA-204

L – 3, Credits – 3

Course Learning Outcomes: To develop an understanding of the Strategic Management process in a dynamic and competitive global environment.

Course Contents

Unit I

Concept of Strategy; Vision Mission, Goals and Objectives; External Environmental Scanning; Analyzing Companies Resource in Competitive Position; Mintzberg's 5Ps of Strategy; Porter's Five Forces Model; Balanced Scorecard; Strategic Management Process. **(10 Hours)**

Unit II

Analyzing Companies Resource in Competitive Position- Concept of Stretch, Leverage and Fit; Strategic Analysis and Choice, Diversification Strategies: Creating Corporate Value and the Issue of Relatedness; Structural Considerations and Organizational Design; Leadership and Corporate Culture; Strategy Evaluation; Strategic and Operational Control **(12 Hours)**

Unit III:

Corporate Governance; Reputation, Competition and Corporate Governance; Corporate Ethics; Corporate Governance and Corporate Social Responsibility; Globalization and Corporate Governance; Models and Mechanisms: Models of Corporate Governance; Mechanisms of Corporate Governance; The US Sarbanes-Oxley Act; Shareholder Rights, equitable Treatment, Responsibilities of Shareholders, Minority Shareholders' Protection **(10 Hours)**

Unit IV:

Board of Directors: Structure, Independence, Responsibilities and Duties of the Board, Remuneration and Evaluation of the Board, Board Committees; Internal controls and accountability, Independent Directors; Gender Diversity in Corporate Boards; Corporate Governance Codes across the world; Corporate Governance in India: National Committees' Recommendations, Legislative and Regulatory provisions related to Corporate Governance and Corporate Social Responsibility; Cases in Corporate Governance **(10 Hours)**

Suggested Readings:

1. Kark, R. *Competing with the Best: Strategic Management of Indian Companies in a Globalizing Arena*. India: Penguin Books.
2. Kazmi, A. *Business Policy and Strategic Management*. Mc GrawHill Education.
3. Thompson, A. A., & Strickland, A. J. *Strategic Management – Concept and Cases*. McGraw Hill Education.
4. Wheelen, T. L., & Hunger, J. D. *Concept in Strategic Management and Business Policy*. Pearson Education.
5. Bajpai, G. N. *The Essential Book of Corporate Governance*. Sage .
6. Das, S. C. *Corporate Governance in India: An Evaluation Paperback*. PHI Learning.
7. Fernando, A. C., Satheesh, E. K., & Muraleedharan, K. P. (2018). *Corporate Governance: Principles, Policies and Practices*. Pearson.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Behavioural Finance

Course Code: MFA-206

L – 3, Credits – 3

Course Learning Outcomes: The students are expected to understand the behavioral aspects of irrational market participants and their influence on the market.

Course Content

Unit I

Foundations of Behavioural Finance: Definition, behavioural finance micro and behavioural finance macro, important contributors, components, difference with standard finance; Market efficiency and anomalies; Expected Utility Theory; Agency theory; Limits to Arbitrage; Prospect theory, basic framework; Loss Aversion, model of loss aversion; Gambler fallacy, hot hand fallacy.

(10 Hours)

Unit II

Investor Behaviour: Types of investors, objectives of investment, factors influencing Investor decision making, factors influencing investor personality, characteristics of successful investors; Risk Attitude, types of risk, standard finance view of risk, behavioural finance viewpoint of risk, risk perception, factors affecting risk attitude; Investor Personality, tools, investor models, contrarian investor, examples, strategies.

(10 Hours)

Unit III

Behavioural Biases and Irrational Investing: Heuristics and Biases, representativeness heuristic, availability heuristic, affect heuristic, similarity heuristic; Cognitive and Emotional Biases, overconfidence bias, cognitive dissonance bias, self attribution bias, illusion of control bias, conservatism bias, ambiguity aversion bias, endowment bias, self control bias, optimism bias, mental accounting bias, confirmation bias, hindsight bias, recency bias, regret aversion bias, status quo bias, Strategies to Overcome Biases; Over Reaction and Optimism; Herding Behaviour and Mean Reversal.

(11 Hours)

Unit IV

Recent Advances in Behavioural Finance: Neuro Finance, human brain, brain secretions, neurotechnology; Noise Trading, Behavioural Capital Asset Pricing Model, Behavioural Portfolio Theory, investor sentiments; Conflict of Interest and Group Psychology on Board, contract theory, corporate governance, strategies, Case Study- Tata-Mistry Case, Infosys case, Satyam case.

(11 Hours)

Suggested Readings:

1. Monitor, J. *Behavioural Finance: Insights into Irrational Minds and Markets*. Oxford University.
2. Shefrin, H. *Beyond Greed and Fear: Understanding Behavioral Finance and the Psychology of Investing*. Harvard Business School Press.
3. Thaler, R. H. *Advances in Behavioral Finance*. Russell Sage Foundation.
4. Tvede, L. *The Psychology of Finance: Understanding the Behavioural Dynamics of Markets*. Wiley.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Finance Lab-III (NUES)

Course Code: MFA-252

L – 4, Credits – 2

Course Learning Outcomes: The finance lab is based for imparting hands on approach to the students on modelling techniques for financial management, investment analysis, portfolio management, risk management, project planning, valuation and corporate restructuring. The course aims at enabling the students to learn the analytical skills on MS-Excel and other softwares for building powerful models in finance.

1. Software for business and finance (R, Python, Power BI, Eviews etc.)
2. Calculation and interpretation of advanced financial decisions related to return analysis, volatility, causality, co-integration, value at risk and yield/duration of fixed income securities on MS Excel/any other relevant software like.
3. Designing management solutions to complex problems.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI
MASTER OF BUSINESS ADMINISTRATION (FINANCIAL MARKETS)

Advanced Technical Analysis

Course Code: MS (FM) 208

L-3 Credits: 3

Objectives: This course is designed to help the students to develop the practical skills in trading stock, commodity and currency market using advance concepts, tools and techniques of technical analysis to become a successful trader.

Course Contents:

Unit 1

Technical Analysis- Meaning, Basic Assumptions, Rationale of Technical Analysis, Strengths and Weakness of Technical Analysis, Difference between Fundamental and Technical Analysis, Dow Theory – Assumptions, Study of past Prices and Volumes, Charts types – Bar Charts, Point and Figure Charts, Candle Stick Charts, Concept of Support and Resistance, Trend – Meaning and Types of Trend, Key skills required to identify a trend. **(10 Hours)**

Unit-II

Introduction to Japanese Candlestick basic technique, different type of candle stick charts and patterns covering Bullish Reversal, Bullish Continuation, Bearish Reversal, Bearish Continuation and Candlesticks that Reflect Indecision (Head and Shoulder, Inverted Head and Shoulder, Hammer, Inverted Hammer, Bullish/Bearish Engulfing, Bullish/Bearish Harami, Piercing Line, Bullish Doji Star, Evening Doji Star, Bullish Meeting Lines, Three White Soldiers, Morning Star, Morning Star, Spinning Top, Dragonfly Doji, Gravestone Doji, Bullish Abandoned Baby, Marubozu etc.) Combining Japanese candlesticks with western technical analysis to get powerful results, Concept of Moving Average – SMA and EMA, Mathematical Indicators – MACD, RSI and other leading indicators used for technical analysis **(10 Hours)**

Unit – III Fundamental Concepts, Fire wave patterns – Wave 1, dominant trend, Three wave pattern (corrective trend) – Wave A to C., Pattern recognition and fractals, Elliot wave rules and guidelines, Fibonacci relationships, Fibonacci sequence, Golden Ratio, Golden Ratio, Fibonacci retracement, After Elliot, Rediscovery and current use, Criticism of Elliot Wave Theory **(10 hours)**

Unit - IV

Risk Management through Technical Analysis – Need, Techniques used for Risk Management, Day Trading, Advantages of Day Trading, Risk of Day Trading, The psychology of technical analysis – crowd behavior, bull bear cycle, the psychology of fear and success. Strategies for Day Trading End of the Day Trading, Intraday Trading, Momentum Trading, Speculation etc. Trading Strategies for Equity, Commodities, Currency Futures and Derivatives. Importance of discipline in Trading, Qualities and Skills required for being successful as a trader, some of the world's successful traders and techniques adopted by them. **(12 Hours)**

Note: Students are expected to keep themselves updated with latest developments in the subject from financial dailies like The Economic Times, Financial Express etc., watch business channels e.g. CNBC, NDTV Profit, ET Now etc. and get updates from websites of SEBI, NSE etc. The patterns and indicators suggested in the syllabus are only indicative and this list is not exhaustive.

Suggested Readings:

1. Poser, Steven W., *Applying Elliott Wave Theory Profitably*, John Wiley & Sons, Ltd.
2. Murphy, John J., *Technical Analysis of the Financial Markets*, New York Institute of Finance

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Equity Valuation

Course Code: MFA-210

L – 3, Credits – 3

Course Learning Outcomes: This course aims at enabling students to acquaint the students about various equity valuation approaches. The course will enable students to understand and apply these valuation techniques for effective equity valuation in real life situation.

Course Contents

UNIT I

Equity Valuation: Meaning of Value, Valuation Applications, Valuation process, Role of analyst in valuation, Return concept, Risk premium, Required return on equity, Discount rate selection in relation to cash flow, Measuring Cash flows, Forecasting cash flows, Equity Discounted cash Flow Models viz Gordon Growth Model, Two stage & Three stage dividend discount model, H model, FCFE and FCFE models.

(11 hours)

UNIT II

Relative Valuation: Meaning, ubiquity of Relative Valuation, Advantage and limitations of relative valuation, standardized values and multiples such as Earnings, Revenue, Sector specific multiples, criteria for selection of multiples, Price and Enterprise Value multiples in valuation: The method of comparables, Method based on Forecasted Fundamentals. Price multiples, Enterprise value multiples, International considerations when using multiples.

(11 hours)

UNIT III

Residual Income valuation: Residual Income, Use of Residual Income in Equity Valuation, The Residual Income model-Determinants, Single stage and multi stage Residual Income Valuation, Residual Income Valuation versus other approaches of valuation- its strengths, weaknesses and Guidelines in using it, accounting and International considerations.

(10 hours)

UNIT IV

Private Company Valuation and Loose Ends in Valuation: Meaning & Scope: Private Company Valuation Approaches: Valuation of intangibles, Value of control value of liquidity, Value of Synergy and Value of Transparency.

(10 hours)

Suggested Readings:

1. Damodaran, A. *Damodaran on Valuation*. Wiley Publications.
2. Healy, P. M. *Palepul*. South Western College Pub.
3. Pintu, J. E., Henery, E., Robinson, Stowe, & Wloox. *Equity Valuation*. Wiley Publications.
4. Valentine, J. *Best Practices for Equity Research Analysis*. India: Mc Graw Hill Publications.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -

Project Management

Course Code: MFA-212

L – 3, Credits – 3

Course Learning Outcomes: The Course aims at making the student understand the concept of Project and its management by understanding the various tools and techniques that are used in managing a project from Planning to Control.

Course Contents

Unit I:

Project Identification and Selection: Introduction, Project Identification Process, Project Initiation, Pre-Feasibility Study, Feasibility Studies, Project Break-even point and its managerial implications.
(10 Hours)

Unit II:

Project Planning and Recourse Consideration: Introduction, Project Planning, Need of Project Planning, Project Life Cycle, Roles, Responsibility and Team Work, Project Planning Process, Resources Considerations in Projects, Resource Allocation, Scheduling, Project Cost Estimate and Budgets, Project Scheduling/Network Techniques in Project Management: CPM and PERT Analysis; Float Times; Crashing of Activities; Contraction of Network for Cost Optimization, Updating; Cost Analysis of Resources Allocation.
(12 Hours)

Unit III:

Organizational Structure and Quality Issues: Introduction, Concept of Organizational Structure, Roles and Responsibilities of Project Leader, Relationship between Project Manager and Line Manager, Leadership Styles for Project Managers, Conflict Resolution, Team Management and Diversity Management, Change management, Project Quality Management, Quality Concepts, Value Engineering process.
(10 Hours)

Unit IV:

Project Risk Management, performance management and control:: Introduction, types of Risks, risk Management, Role of Risk Management in Overall Project Management, Steps in Risk Management, Risk Identification, Risk Analysis, Reducing Risks, Project Performance Measurement, Performance Measurement Matrix, Productivity, Project Performance Evaluation, Benefits and Challenges of Performance Measurement and Evaluation, Controlling the Projects-Project Execution, Project Control Process.
(10 Hours)

Note: The above course shall include 08 hours of Lab Training on a Project Management Software.

Suggested Readings:

1. Chadra, P. *Projects: Planning, Analysis, Selection, Financing, Implementation, and Review*. Delhi: McGraw Hill Education.
2. Choudhury, S. *Project Management*. Mc GrawHill Education.
3. Panneerselvam., R., & Senthilkumar., P. *Project Management*. Prentice Hall of India Pvt. Ltd.
4. Pinto, J. K. *Project Management*. Pearson Education.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Risk Management

Course Code: MFA-214

L – 3, Credits – 3

Course Learning Outcome: The fundamental aim of this course is to acquaint the students in how businesses assess, control and transfer risk. At the end of the course, the students will be able to understand Risk Management Principles and Conceptual Framework of Risk with a financial perspective

Course Contents

Unit I

Financial Risk: Introduction and Evolution, Types of Risks (Market, Credit, Liquidity, Operational), Identification of different forms of Risk (Currency, Interest Rate, Equity, Commodity), Significance of Risk Management, Risk Management Tools, Risk Control & Risk Financing, Introduction to Fraud Analysis, Types of Frauds, Fraud Triangle, Fraud Detection vs Audit

(10 Hours)

Unit II

Structure of Insurance Market, Risk Aversion and Demand for Insurance (By Individuals and Corporations), Insurability of Risk, Risk Retention and Reduction Decisions. Types of Insurance, Costs and Benefits of Insurance, Risk Pooling, Insurable Risks vs. Hedging, Underwriting, Pricing in Insurance, Actuarial Services: Concept and Applications in Finance

(10 Hours)

Unit III

Probability and Distribution of Asset Prices, Implied Volatility, Extreme Value Theory – Basic Principles, Value at Risk: Concept, Computations and Applications

(10 Hours)

Unit IV

Risk & Forecasting issues in Asset Prices, Modeling Risk Factors, Interest Rates and Currency Risk Analysis in Global Investing, Currency Risk Analysis, Risk Analysis in Forex Markets, Risk Management in Fixed Income Securities. Legal Aspects of Risk Management and Insurance, Integrated Risk Management Framework, Risk Reporting, Risk Budgeting, Setting Risk Limits. Case Discussions.

(12 Hours)

Suggested Readings:

1. Apostolik, & Donohue. (2016). *Foundations of Financial Risk*. Wiley.
2. Hull, J. (2016). *Risk Management and Financial Institutions*. Wiley Finance Series.
3. Shields, G. (2018). *Risk Management*. Createspace Independent Publishing Platform.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Financial Modelling

Course Code: MFA-216

L – 3, Credits – 3

Learning Outcomes: This course is designed to help the students learn the application of MS-Excel in the financial modelling.

1. Excel as a tool in Financial Modelling

Excel concepts - Basic commands; Functions - math's, logical, look up, date, text and financial; Chart, diagram, picture, background, auto format, conditional formatting, style, filter, sort; Formulas and macros; What if analysis, pivot table, pivot chart, scenario, goal seek, problem solver tool, advanced filter. **(11 Hours)**

2. Financial Modelling Basic Concepts

Introduction, Advanced functions of MS-Excel as a tool in financial modelling; Components of a financial model, building the template, filling in the historical data, identifying assumptions and drivers, forecasting various schedules and financial statement, building the supporting schedules, various approaches to valuation, key ratios, financial ratios and company analysis, building cases and sensitivity analysis - looking at the probabilistic analysis of the best and worst case scenario. **(10 Hours)**

3. Cash Ratios and Non Cash Valuations

Cash Ratio - Structured model with a menu & accounting statements, Calculating key financial ratios, Deriving an international cash flow; Non Cash Flow Valuations - Accounting methods, Dividend discount models, Market-based methods – EPS and multiples, Fundamentals of EV/EBITDA, EV/Sales, Peer groups. **(10 Hours)**

4. Forecasting Methods and Initial Valuations

Review of forecasting methods, relationship between company and financial strategy, identifying and forecasting key drivers, linkages and modelling problems, deriving free cash flow; Cost of capital and initial valuation - alternative theories – bonds and arbitrage pricing theory, capital asset pricing model constituents, asset and equity betas, mathematical derivation, methods of adding terminal value, producing an equity valuation, comparison to existing share price. **(11 Hours)**

Note: Students are expected to keep themselves updated with latest developments in the subject from financial dailies like The Economic Times, Financial Express etc., watch business channels e.g. CNBC, NDTV Profit, ET Now etc. and get updates from websites of SEBI, NSE etc.

Suggested Readings:

1. Day, Alastair; *Mastering Financial Modelling in Microsoft Excel: A practitioner's guide to applied corporate finance*, Pearson Education.
2. Jonathan Swan; *Practical Financial Modelling a guide to current practice*, CIMA publishing Publication

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Financial Service Marketing

Course Code: MFA-218

L – 3, Credits – 3

Course Learning Outcomes: To enable students to apply marketing concepts and principles to the unique challenges and opportunities of services marketing to create customer value.

Course Content:

Unit I

Meaning and nature of services, classification of services, Customer Expectations and Perceptions; Defining and Measuring Service Quality (Servequal and Servepref); GAPs Model; Defining and Measuring Customer Satisfaction. **(12 Hours)**

Unit II

Services Design and Development; Service Blueprinting; Service Process; Physical Evidence and Servicescape. Pricing of services. **(10 Hours)**

Unit III

Services Distribution Management; Managing the Integrated Services Communication Mix; Managing Services Personnel. Marketing. **(10 Hours)**

Unit IV

CRM- Customer Relationship Management- Concept and principles, Relationship Building strategies, Banking services and Insurance Services. Services Marketing in Banking and Insurance emerging trends in financial services retailing. **(10 Hours)**

Suggested Readings:

1. Christopher, H. L., & Wirtz, J. *Service Marketing: People, Technology, Strategy*.
2. Cravens, Hills, & Woodruff. *Marketing Decision Making, Concept and Strategy*. USA: Richard D. Irwin, Inc. Homewood, Illinois 60430.
3. Kotler, P. *Marketing Management: Analysis, Planning, Implementation and Control*. Prentice Hall of India Pvt. Ltd.
4. Valarie, A. Z., & Mary, J. B. *Services Marketing*. Delhi: Tata McGraw Hill.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Strategic Financial Management

Course Code: MFA-220

L – 3, Credits – 3

Learning Outcome: The objective of this course is to apprise the students the concepts of financial management from the strategic perspective and to familiarize them with the various frameworks and techniques of strategic financial management.

Course Contents

Unit I

Financial Policy and Corporate Strategy: Strategic Decision-Making Process, Types of Corporate Strategies. Types of Financial Plan: Financial Models, Tools or Techniques of Financial Modelling, Uses and Limitations of Financial Modelling, Applications of Financial Models, Types of Financial Models, Process of Financial Model Development. **(10 Hours)**

Unit II

Project Planning and Investment Decisions: Capital Rationing, Social Cost Benefit Analysis, Investments Decisions under Risk and Uncertainty, Techniques of Investment Decision, Risk Adjusted Discount Rate, Certainty Equivalent Factor, Statistical Method, Sensitivity Analysis and Simulation Method, Corporate Strategy and High Technology Investments. Leasing Decisions: Lease Financing, Break-Even Lease Rentals, Evaluation of Lease, Tax and Accounting Considerations, International Leasing. **(12 Hours)**

Unit III

Financial Services in India: Global Financial Market, Stakeholders in Financial Market, Indian Financial Market Scenario, Credit Policy of RBI, Fed Policy, Inflation Index, CPI, WPI, Capital Markets (Primary & Secondary), Money Market Instruments in India, Asset Backed Securities, Foreign Direct Investment Foreign Institutional Investment, NBFCs. **(10 Hours)**

Unit IV

Corporate Restructuring: Expansion and Financial Restructuring, Mergers and Amalgamations – reasons for Merger, Benefits and Cost of Merger, Takeovers, Business Alliances, Managing an Acquisition, Divestitures, Ownership Restructuring, Privatization, Dynamics of Restructuring, Buy Back of Shares, Leveraged Buy-outs (LBOs), Divestiture, Demergers. **(10 Hours)**

Suggested Readings:

1. Chandra, P. *Strategic Financial Management: Managing for Value Creation*. McGraw Hill Education Private Limited.
2. Sofat, R., & Hiro, P. *Strategic Financial Management*. Prentice Hall Indian Private Limited.
3. Sridhar, & Padmavathy. *Financial Management: Problems & Solutions*. Shroff Publishers & Distributors Private Limited.
4. Weaver, & Weston. *Strategic Financial Management: Application of Corporate Finance*. Cengage Learning.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
International Accounting & Reporting

Course Code: MFA-222

L – 3, Credits – 3

Course Learning Outcomes: Students will be in a position to appreciate and understand international financial reporting standards. It is intended to ensure reasonable good understanding of company accounts across international borders.

Course Contents:

Unit I:

Introduction to international accounting, International accounting v/s domestic accounting, evolution of international accounting, Harmonisation of accounting, International financial reporting system, Role of IASB in harmonisation of accounting, Generally Accepted Accounting Principles, Politics of international accounting. **(12 Hours)**

Unit II:

Analysing income statements, Treatment of current assets, land, other fixed assets, depreciation, goodwill, other intangible assets, liabilities, Investment reporting **(10 Hours)**

Unit III:

Taxation and reporting of taxation; reporting of Capital budgeting, Capital structure; International auditing; Transfer pricing. **(10 Hours)**

Unit IV:

Analysis of accounting changes and errors, IFRS treatment of changes and corrections, Accounting of acquisitions and consolidation **(10 Hours)**

Note: Each topic of study shall be complemented with the respective International Accounting Standard

Suggested Readings:

1. Choi, F., & Meek, G. *International Accounting*. Pearson Prentice Hall.
2. Douppnik, T. S., & Perera, H. *International accounting*. New York: NY:McGraw-Hill.
3. Rathore, S. *International Accounting*. Prentice Hall.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS -
Investment Banking

Course Code: MFA-224

L – 3, Credits –3

Course Learning Outcomes: The prime goal of this course is to acquaint students with the required theoretical and conceptual tools applied in investment banking. The course provides the intellectual framework used in the investment banking process, financial analysis, regulatory framework and mechanizes of deal constructing.

Course Content

UNIT I:

Concept and definitions, Merchant Banking, Functions of an Investment Banker, Evolution of Investment Banks in US, Europe and India, constraints of Investment Banking, characteristics and structure of Indian Investment Banking Industry, Business portfolop of contemporary Investment Banks, Service Portfolio of Indian Investment Banks, Allied Services- Asset Management, Mutual Funds, Hedge Funds, Private Equity Funds, Security Business. Regulation of Investment Banking Business in India, Dark sides of Investment Banking, Investment Banks: Future ahead.

(10 Hours)

UNIT II:

Public offers types, listing decisions, follow on public offer, regulatory framework for public offers, provisions of ICDR regulations on public offer, provisions of company Act, statutory requirements under SCRA and SCR rules, Role of merchant, Banker as issue manager, IPO/FPO fixing, preparing offer document, disclosures, process overview of IPVS, Right offers, public issue of Debt securities, statutory framework for debt issue, SEBI listing of debt regulations.

(10 Hours)

UNIT III:

Underwriting: Meaning, Development, Regulatory framework, US and Indian model of underwriting, bought and deals, global capital market offer, international listing centres, international bond market, equity issued through depository receipts, types of depositing receipts, issue of FCCBS, Indian scenario of ADR/GDR/FCCBS, regulatory framework for depositing receipts, role of investment bankers in cross borders issues.

(12 Hours)

UNIT IV:

Buybacks and Delisting: Reason and justifications for share repurchase, implications, equity repurchases in India, regulatory framework for equity repurchases, buy back by listed, unlisted and public/private companies, prices and quantum of buy back, offer strategy, tax aspects of buy back, delisting of a listed company: voluntary and compulsory delisting, pricing a compulsory delisting, relisting, buy back delisting, role of an investment banker in private placements, corporate restricting, merger and acquisitions.

(10 Hours)

Suggested Readings:

1. A. Kneee, J. *The Accidental Investment Banker*. Oxford University Press reprint.
2. Giri S, P. *Investment Banking: Concept, Analysis and Cases*. Tata Mac Graw Hills Education Pvt. Ltd.
3. Pignataro, P. *Financial Modeling & Valuation: A Practical amide to Investment Banking and Private Equity*- . Wiley Finance.
4. Stowell, D. *Investment Banks, Hedge Funds and Private Equity*. Academic Press (Elsevier).

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

MASTER OF BUSINESS ADMINISTRATION – FINANCIAL ANALYSIS

Forensic Finance

Course Code: MFA-226

L – 3, Credits –3

Course Learning Outcome

This will enable the student to understand the basic reasons behind earning manipulations and occurrence of financial frauds. This course will also familiarize the student with analytical concepts and skills required for deduction/ predictions of financial frauds.

Course Contents

Unit I

Introduction to Forensic Accounting, Role of Forensic Auditor/ Forensic Accountants. Fraud triangle, motivation for manipulation of financial statement: measurement of risk and reward by perpetrator of financial frauds. Legal requirement for independent investigation in case of frauds. Recording of evidence, disposition and testimony. Guidelines for professional standards and conduct relating to Forensic Engagement. **(12 Hours)**

Unit II

Planning and preparing financial forensic investigation. Defining terms of engagement, working with legal professionals. Overview of evidence identification and collection for legal matters. Techniques of investigation in case of electronically stored information. Process to examine electronically stored data. **(10 Hours)**

Unit III

Computation of economic damage and assessment of legal issues. Impact of fraud on business and society. Types of fraud schemes. Fraud risk assessment and process control. Measurement of financial stress and degree of internal controls. Common types of internal & external assets misappropriation. **(10 Hours)**

Unit IV

Modelling for Fraud prediction, use of data science, artificial intelligence, machine learning Investigating massive amount of data for detecting fraudulent transaction, classification problems Spam Detectors, Loan Default prediction, bankruptcy prediction. Prediction of misuse of Credit card & Debit card. Use of random Forests Classifier to predict fraudulent transactions. **(10 Hours)**

Suggested Readings:

1. Apurva Joshi, Students' Handbook on Forensic Accounting (ebooks).
2. Singleton, Tommie W & Singleton Aaron J., Fraud Auditing and Forensic Accounting, Wiley Corporate F & A.
3. Shields Greg, Forensic Accounting (ebooks).