

<i>Course Title</i>	Direct Tax
<i>Term/Semester</i>	III
<i>Course ID</i>	21MBA331
<i>Credits</i>	3

Introduction:

“Taxation is the price which civilized communities pay for the opportunity of remaining civilized” -

By Albert Bushnell Hart

An income tax is a tax that governments impose on income generated by businesses and individuals within their jurisdiction. By law, taxpayers must file an income tax return annually to determine their tax obligations. Unless a finance manager can analyze and think from tax perspective, no decision is complete and accurate. It is highly essential to understand the various taxes that have an impact on business, procedures to be followed and adopted for meeting tax regulatory requirements, and the system that governs them. Hence, this Course is introduced to orient a prospective finance manager regarding the tax matters that influences business and train them on making decisions considering such influence.

Course Outcomes (COs):

After completion of this course, students will be able to;

CO1: Understand corporate taxation system in India

CO2: Understand the basic concepts of Income tax and apply the same on real world situation

CO3: Understand and Computation of taxable Income under different heads

CO4: Understand and apply the deductions available while computing Income Tax

CO5: Evaluate Indian Company and Foreign company tax liability in Indian context

Course content and Structure:

(36 hours)

Module 1: Overview Income Tax

7 Hours

- Income Tax Act, 1961. Basic Concepts and definitions,
- Capital and revenue – receipts, expenditures,
- Residential Status and Incidence of Tax.
- Incomes which do not form part of Total Income (Sec.10).
- Tax Planning, Tax Evasion and Tax Management. (Problems on residential Status of Individual and company).

Module 2: Individual Taxation

7 Hours

- Introduction to Five Heads of income,
- Income from Salary: Meaning of Salary, Allowances (Theory Only).
- Income from House Property: Meaning and deductions u/s 24 (Theory Only).
- Income from Business or Profession: Deductions & basic problems (Theory Only)
- Income from Capital Gain: Introduction, Deductions & basic problems (Theory & problems)
- Income from Other Sources: Introduction and concepts (Theory Only).



Module 3: Income from Business or Professions**10 Hours**

- Income under the head Profit and Gains of Business or Professions and its computation- basic method of accounting- scheme of business deductions/ allowance- deemed profits- maintenance of books.
- Depreciation. (Problems on computation of income from business/ profession of Individual assessee and Depreciation).

Module 4: Income under capital gain**5 Hours**

- Income under capital gain: basis of charge, transfer of capital asset, inclusion & exclusion from capital asset, capital gain, computation of capital gain, deductions from capital gains.
- Over all Deduction u/s 80C to 80U

Module 5: Computation of taxable income of a company**7 Hours**

- Introduction to Corporate tax, Residential Status and Incidence of Tax, Computation of taxable income of a company with special reference to MAT. (Problems on MAT)
- Introduction to Direct tax in the partnership firm

Pedagogy:

- 1) Practice based teaching using excel other application tools/software
- 2) Project Based teaching
- 3) Case study based teaching- Articles on Tax Management, Planning and, Evasion
- 4) Interaction with Tax practitioners and tax officers

Teaching Learning Resources:**Essential Readings**

1. Vinod Singhania and Kapil Singhania, "Direct Taxes Law and practice" Taxman Publications, 2020 Edition
2. Students Guide to Income Tax Vinod Singhania and Kapil Singhani, Taxman Publications, 2020 Edition
3. T N Manoharan, "Students Handbook on Taxation" Snow White Publications Pvt. Ltd, Jan 2020 Edition
4. H.C. Mehrotra & S.P. Goyal "Income Tax", Sahitya Bhavan Publications, 60 e/2020
5. Ahuja, Girish and Gupta, Ravi, "Direct Taxes – Law and Practice", Bharat Publications.

Supplementary Resources:

- <https://jgateplus.com/home/>
- <https://capitaline.com/>
- <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
- <https://elibrary.in.pearson.com/login>

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	2	1	1	1	1	2	2	3	1	1
CO2	3	2	1	-	1	-	2	2	2	1	-
CO3	2	2	-	1	1	1	1	3	3	2	1
CO4	2	2	1	1	-	1	2	1	2	1	-
CO5	3	3	-	1	-	1	2	2	2	2	1

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

Course Title**Investment Analysis and Portfolio Management**

Term/Semester	III
Course ID	21MBA332
Credits	3

Introduction:

"An investment in knowledge pays the best interest." — Benjamin Franklin

The average turnover of the cash segment in India is Rs. 0.54 Lakhs Crore, and Stock Future of Rs. 1.20 Lakhs Crore and market's turnover is gradually rising - the average daily turnover. The stock market plays the role of bridge between the company and investors. This course attempts to develop a conceptual and analytical understanding of evaluating financial instruments & markets and inculcates investment intelligence in students. Students are exposed to the framework of modern portfolio theory and investment analysis. They can critically evaluate alternatives to investing in financial securities and constructing portfolios with the desired risk-return characteristics.

Course Outcomes (COs):

After completion of this course, students will be able to;

CO1:Understand and appreciates the framework of the securities market and its functions

CO2:Understand and appreciates the framework of Risk and Return and calculate Risks and Returns of selected securities.

CO3:Understand and evaluate securities such as Bond and Equity to check whether they are underpriced or Overpriced

CO4:Evaluate financial statements for fundamental analysis (valuation of companies) and Technical Analysis(Charts)

CO5:Create optimum portfolios of different securities and evaluate the portfolio.

Course content and Structure: (36 hours)**Module 1: The Investment Background and Financial Markets 5 Hours**

- Investment Avenues: Attributes, Investor V/s speculator, Features of a Good Investment, Investment Process.
- Financial Instruments: Money Market Instruments, Capital Market Instruments, Derivatives. Securities Market: Primary Market, Secondary Market. Stock Market Indicators- Indices of Indian Stock Exchanges (only Theory).

Module 2: Risk and Returns 6 Hours

- Return and Risk Concepts: Concept of return, individual security returns, rate of return, Concept of Risk, Causes of Risk, Types of Risk.
- Systematic risk Market Price Risk, Interest Rate Risk, Purchasing Power Risk,
- Unsystematic Risk: Business risk; Financial Risk, Insolvency Risk, Risk-Return Relationship,
- Calculation of Return and Risk of Individual Security (Theory & Problems)

Module 3: Valuation of Securities**8 Hours**

- Valuation by comparable- Intrinsic Value versus Market price- Dividend discount models, Constant growth and multistage growth model -Price Earnings Ratio and other comparative valuation ratios-Free Cash flow valuation approaches- Comparing valuation models- Analysis of growth companies; Valuation of Alternative Investments.
- Valuation of Bond: Bond features, Types of Bonds, Determinants of interest rates, Bond Valuation, Bond Duration.

Module 4: Fundamental & Technical analysis**8 Hours**

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

Module 5: Portfolio Theory and Practice**9 Hours**

- Markowitz Model Diversification, Portfolio Return, Portfolio Risk, Efficient Frontier. Sharpe Single Index Model, Introduction to Robert F Engle Model and Black–Litterman Model
- Capital Asset Pricing Model: Assumptions, CAPM Equation, Capital Market Line, Security Market Line, CML V/s SML.
- Sharpe Optimum Portfolio Construction.
- Arbitrage Pricing Theory: Equation, Assumption, CAPM V/s APT (Theory & Problems)
- **Mutual Funds:** Concept of Mutual Funds, Participants in Mutual Funds, Advantages of Investment in Mutual Funds, Measure of Mutual Fund Performance. Portfolio performance Evaluation: Measures of portfolio performance (Theory & Problems).

Pedagogy:

- 1) Classroom Discussion
- 2) Practice-based teaching using excel other application tools/software
- 3) Project Based teaching
- 4) Case study based teaching
- 5) Fund Manager as practitioner-based teaching
- 6) Capstone Project

Teaching Learning Resources:**Essential Readings**

1. Chandra, Prasanna. (2008). Investment analysis and portfolio management. New Delhi: Tata McGraw – Hill Publications.
2. Bodie, Kane, Marcus and Mohanty., Investments (10th ed.). Tata McGraw Hill Publications.
3. Reilly. & Brown. (2012). Analysis of Investments & Management of Portfolios (12th ed.). CENGAGE Learning.

References

1. Bhalla, V. K., Investment management, S. Chand & Co Publications.
2. Kevin S.(2008). Security Analysis & Portfolio Management, New Delhi: PHI Learning Pvt Ltd Publications.
3. Brealey.,& Myers., Principles of corporate finance (7th ed.). Tata McGraw Hill Publications

Supplementary Resources:

- <https://jgateplus.com/home/>
- <https://capitaline.com/>

- <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
- <https://elibrary.in.pearson.com/login>
- MOOC on Investment and Portfolio Management by RICE University
- Assets Allocation: Management style and performance measurement by William F Sharpe's Seminal Paper
- "Capital Asset Prices with and without Negative Holdings," by William F Sharpe's Seminal Paper
- Capital Asset Prices: A Theory Of Market Equilibrium Under Conditions Of Risk, by William F Sharpe's Seminal Paper

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	2	2	1	1	1	2	2	3	1	2
CO2	3	2	2	-	1	-	2	2	2	1	1
CO3	2	2	-	2	1	1	1	3	3	2	2
CO4	2	2	1	1	-	1	2	1	2	1	-
CO5	3	3	1	2	-	1	2	2	2	2	2

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

<i>Course Title</i>	Business Valuation & Financial Modeling
<i>Term/Semester</i>	III
<i>Course ID</i>	21MBA333
<i>Credits</i>	3

Introduction:

“Managers and investors alike must understand that accounting numbers are the beginning, not the end, of business valuation”- **Warren Buffett**

As per industry statistics-United States, the average business valuation in the US is \$3700 market as of 2021. The common objective for business managers is to add value to their business. Also, determining the valuation of a business is necessary for many purposes, including security analysis, mergers and acquisitions, and a wide variety of other situations. The course covers all major topics for the valuation of businesses with different methods and practical applications both for transactions and business management. This course facilitates the students to be oriented about valuation, value drivers and the strategies that can help reach the goals – both organic and inorganic of the business. This course, “Corporate Valuation and Financial Modelling”, aims to orient finance professionals about the essential components of value-based management.

Course Outcomes (COs):

After completion of this course, students will be able to;

CO1: Develop the analytical skills to compute different business valuation techniques

CO2: Understand and appreciate the business restructure methods and their importance

CO3: Compute and evaluate the value of the business for M&A decision

CO4: Develop the analytical skills to apply to compute valuation methods as financial modelling

Course content and Structure: (36 hours)

Module 1: Business Valuation Overview

6 Hours

- Approaches to Valuation: Features of the valuation process: Enterprise DCF Model- Analysing historical performance.
- Estimating the Cost of Capital: Forecasting performance, Estimating the continuing value; Calculating and interpreting the results.
- Other DCF models: Equity DCF Model: Dividend discount model, free cash flow to Equity (FCFE) model-Adjusted present value model-Economic profit model, Applicability and Limitations of DCF analysis (Theory and problems)

Module 2: Valuation Method & Financial Modelling

8 Hours

- Valuation Models: Asset-Based Approach, Earnings Based Approach (Earnings-Capitalisation Method, P/E Ratio).
- Relative Valuation, DCF Approach of Two and Three stage model, Equity DCF Model: Dividend discount model, Free Cash Flow to Equity (FCFE) model,
- Adjusted Present Value (APV) model, Economic Value Added (EVA) method and
- Valuation of Bond, Valuation of Equity shares.
- FINANCIAL MODELING Preparation of spreadsheet: Cash Flow and Free Cash Flow Computation, Cash Flow Estimation, Estimate Cost of Equity, Debt and Capital, Stock Valuation using discounting of Dividends (Dividend discount model - DDM), (b) Free Cash Flow to Firm (FCFF) and (c) Free Cash Flow to Equity (FCFE) (practice-based Lab session)

Module 3: Business Restructuring

8 Hours

- Mergers and Acquisition (M & A)- Types and theories of mergers,
- Concept of synergy, M & A impact on stakeholders
- Due diligence in M&A
- Business restructuring: Significance, Forms of Restructuring;
- M & A – A strategic perspective: BCG matrix and SWOT Analysis

Module 4: Financial Evaluation of M & A

9 Hours

- Merger as capital budgeting decision: DCF Approach, Adjusted Present Value Approach (APV), Exchange Ratio (Swap Ratio)
- Methods of determining exchange rate and determining stakeholders gain or loss for M&A decisions. (Conn & Nilson Model)

Module 5: Takeover

5 Hours

- Meaning and types of acquisition/takeovers (Friendly and Hostile takeovers)-Anti-takeover strategies-Anti-takeover amendments(Case study: HDFC taking over Centurion bank of Punjab)
- Legal aspect of M&A, Combination and Competition Act, 2002

Pedagogy:

- 1) Classroom Discussion
- 2) Practice-based teaching using advance excel and other application tools/software

- 3) Project Based teaching -Valuation of the listed companies
- 4) Case study based teaching - M&A
- 5) Industry Interaction with the Practitioner

Teaching Learning Resources:

Essential readings-

1. Bender, Ruth and Ward, Keith, “Corporate Financial Strategy”, 2nd edition, Butterworth Heinemann. ISBN: 0750648996.
2. Damodaran, Aswath, “Damodaran on Valuation”, John Wiley. ISSN: 978-0-471-75121-2
3. Damodaran, Aswath, “The Dark Side of Valuation”, John Wiley.
4. Chandra, Prasanna, “Corporate Valuation and Value Creation”, Mc Graw Hill, ISBN: 9780071078221
5. Sundaram, Sudi “Creating Value from Mergers and Acquisitions: The Challenges” 2nd edition, Pearson Publication.

References-

1. Allen, David, “An Introduction to Strategic Financial Management – The Key to Long Term Profitability”, The Chartered Institute of Management Accountants, Kogan Page.
2. Allen, David, “Financial Decisions – A Guide to the Evaluation and Monitoring of Business Strategy”, The Chartered Institute of Management Accountants, Kogan Page.
3. Hampton, John, “Financial Decision Making – Concepts, Problems and Cases”, Prentice Hall of India.
4. Penman, H Stephen, “Financial Statement Analysis and Security Valuation”, Tata McGraw-Hill Publishing Company Limited.
5. Grinblatt, Mark and Titman, Sheridan, “Financial Markets and Corporate Strategy”, Tata McGraw Hill.
6. Chandra, Prasanna, “Financial Management”, Tata McGraw Hill Publishing Limited.
7. Hawawini, Gabriel and Viallet, Claude; “Finance for Non-finance Managers”, South-Western CENGAGE Learning.
8. Weaver, Samuel and Weston, Fred; “Strategic Corporate Finance” South-Western CENGAGE Learning.
9. Jakhotiya, G.P., “Strategic Financial Management”, Vikas Publishing House Private Limited.
10. Vedpuriswar, A.V, “Strategic Financial Management – Achieving Sustainable Competitive Advantage”, Vision Books.

11. Marshall, John and Bansal, Vipul, “Financial Engineering – A Complete Guide to Financial Innovation”.
12. Copeland, Tom, Koller, Tim and Murrin, Jack, “Valuation – Measuring and Managing the Value of Companies”, McKinsey Quarterly, Wiley Finance.

Supplementary Resources:

- <https://jgateplus.com/home/>
- <https://capitalline.com/>
- <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
- <https://elibrary.in.pearson.com/login>
- Advanced Valuation and Strategy - M&A, Private Equity, and Venture Capital- Erasmus School of Economics

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	2	2	1	1	1	2	2	3	1	2
CO2	3	2	2	-	1	-	2	2	2	1	1
CO3	2	2	-	2	1	1	1	3	3	2	2
CO4	2	2	1	1	-	1	2	1	2	1	-
LEVEL	3-Substantial			2-Moderate		1-Slight		- No Co-relation			

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

Course Title**INDIRECT TAXES**

Term/Semester	III
Course ID	21MBA334
Credits	3

Introduction:

Oliver Wendell Holmes, former Justice of the United States Supreme Court, said, "Taxes are what we pay for a civilized society." There are a number of Indirect taxes applied by the government of India. Taxes are levied on manufacture, sale, import and even purchases of goods and services. These laws aren't also well-defined in terms of Acts from the government, rather orders, circulars and notifications are given out by relevant government bodies to this end. As such, it can be cumbersome trying to understand every feature of indirect taxes in India. Indirect taxes are touted to be streamlined following the introduction of the uniform Goods and Services Tax (GST).

This course will provide basic understanding about the GST, Customs Duty and will also help students understand the concept of Input Tax Credit.

After the Course completion, Students will be able to:

- CO 1: Understand and Appreciate the basic concepts related to GST.
- CO 2: Associate levy and collection of GST in India and apply the same.
- CO 3: Evaluate the concepts related to Supply under GST
- CO 4: Assess regulations and computation of Input Tax Credit under GST.
- CO 5: Compute the Customs Duty on various applicable transactions.

Course content and Structure: (36 hours)**Module 1: Introduction, Overview and Evolution of GST:****10 hours**

- Indirect tax structure in India
- Goods and Services Tax Act & Rules; Need for GST in India.
- Dual GST Model- Central Goods and Services Tax Act, 2017 (CGST) State Goods and Services Tax Act, 2017 (SGST) Union Territory Goods and Services Tax Act, 2017 (UTGST) Integrated Goods and Services Tax Act, 2017 (IGST)
- Goods and Services Tax Network (GSTN), GST Council Guiding principle and Functions of the GST Council. (Theory).

8 Hours

Module 2: Levy and Collection of Tax:

- Scope of Supply, Composite and Mixed Supplies. (Theory)
- Levy and Collection, Composition Levy (Theory and Problems)
- Exemptions - Person Liable to pay GST, Exemption from tax. (Simple problems on calculation of value of taxable supply and GST Levy). (Theory and Problems).

5 Hours

Module 3: Time and Value of supply

- Time of Supply
- Change in Rate of Tax in respect of Supply of Goods or Services. (Theory and Problems)
- Place of Supply and Value of Supply. (Simple problems on Time of supply, place of supply and value of supply) (Theory and Problems).

Module 4: Input Tax Credit

5 Hours

- Introduction and Eligibility to avail Input Tax Credit (ITC). (Simple problems on ITC)
- Registration under GST: Persons not liable for Registration , Compulsory Registration in Certain Cases, Procedure for Registration , Deemed Registration.
- Returns under GST: Furnishing of Returns, First Return , Revision of Returns and Penalty/Late Fee. (Theory).

Module 5: Customs Duty, Securities Transaction Tax and Stamp Duty.

8 Hours

- Introduction to Customs Duty
- Circumstances of Levy of Customs Duties and Types of Duties and Exemption from Customs Duty.
- Valuation under customs: Valuation of Imported Goods and Valuation of Export Goods. (Problems on Valuation of Imported Goods). (Theory and Problems).
- Import and Export Procedure under Customs: Introduction to Baggage and General Free Allowance. (Basic Problems)
- Provisional Assessment of Duty, Due Dates for Payment of Duty ,
- Penalties under Customs, Seizure of Goods , Confiscation of Goods. (Theory).
- Introduction to and Levy of Securities Transaction Tax.
- Introduction to and Levy of Stamp Duty, Commodity Transaction Tax.

Pedagogy:

1. Class room discussions
2. Case Study based Teaching.
3. Enquiry Based Teaching.

4. Webinars and SDPs.
5. Multimedia Cases and Illustrations.
6. Student Teacher Interactive Learning with the use of Karvy App, CBEC-GST App, Tally- ERP, Excel
7. MOOCs on International IDT.
8. Workshops on IDT by Institute of Cost and Management Accountants.

Teaching Learning Resources:

RECOMMENDED BOOKS:

1. Principles of GST & Customs Law, V.S. Datey and Dr. Krishnan Sachdeva, Taxmanns. ISBN: 9789387957800
2. Goods & Services Tax (GST) in India , B. Viswanathan New Century Publications, ISBN: 978-8177084290.
3. Comprehensive Guide to IDT Laws, Dr. Vandana Bangar, Dr. Yogendra Bangar, Aadhya Prakashan, ISBN: 978-8190502931
4. ICAI IDT Study Material- https://www.icaai.org/post.html?post_id=14121.

REFERENCE BOOKS:

1. Indirect Taxes Law and practices, V S Datey, Taxmanns. ISBN: 9789389546842
2. GST & Customs Law (University Edition), K.M Bansal, Taxmanns. ISBN: 978-9390585373

Supplementary Resources

1. <https://www.cbic.gov.in/htdocs-cbec/gst/gst-training>
2. <http://gstcouncil.gov.in/>
3. <https://iimskills.com/free-gst-certification-course-online/>
4. <https://www.udemy.com/course/basics-of-indian-customs-act-a-complete-study/>
5. <https://jgateplus.com/home/>
6. <https://capitaline.com/>
7. <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
8. <https://elibrary.in.pearson.com/login>
9. <https://indiankanoon.org/search/?formInput=indirect%20tax%20cases%20>
10. <https://www.taxmann.com/post/blog/4796/top-20-judgments-of-year-2020-under-the-indirect-tax-laws/>
11. https://www.youtube.com/watch?v=aCjJcbrt2ro&ab_channel=H%26RBlockIndia
12. https://www.youtube.com/watch?v=gRJ6AOwYfyE&ab_channel=SunMargEducationalSeriesSunMargEducationalSeries
13. https://www.youtube.com/watch?v=-oLWs6Z9W30&ab_channel=KhanGSResearchCentreKhanGSResearchCentre
14. https://www.youtube.com/watch?v=76UUB7Vv8s8&ab_channel=CARachanaPhadkeRanade
15. https://www.youtube.com/watch?v=aUPWG6yyP24&ab_channel=CAGouravJashnaniCAGouravJashnani
16. (http://www.wbnsou.ac.in/NSOU-MOOC/mooc_goods_and_services_tax.shtml)-
(<https://www.udemy.com/course/gst-in-india/>)-

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	2	1	1	1	1	2	2	3	1	1
CO2	3	2	1	-	1	-	2	2	2	1	-
CO3	2	2	-	1	1	1	1	3	3	2	1
CO4	2	2	1	1	-	1	2	1	2	1	-
CO5	3	3	-	1	-	1	2	2	2	2	1

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

<i>Course Title</i>	BANKING FINANCIAL SERVICES AND INSURANCE
<i>Term/Semester</i>	SEMESTER III
<i>Course ID</i>	21MBA335
<i>Credits</i>	3

Introduction:

According to Sir Warren Buffett, “Risk comes from not knowing what you are doing.”. This course has been designed in order to help students understand various financial services and institutions providing the same. Banking, Financial Services and Insurance (BFSI) is set to grow exponentially in India due to the rising per capita income, introduction of new products, innovation in technology, expanding distribution, networking and increasing customer awareness of financial products. BFSI Industry has seen bold reforms in the last few years and will continue to be a top priority focus industry for India’s economic development based on inclusive growth.

This course will provide basic understanding about the Banking, Insurance and other financial services and will also help students understand the concept of risk management in respect to the above two industries.

After the Course completion, Students will be able to:

CO 1: Understand and Appreciate the Indian Financial System.

CO 2: Exemplify the Principles and Practice of Banking.

CO 3: Infer the Principles and Practice of Insurance in Business and Management.

CO 4: Associate with various financial services for decision making.

CO 5: Analyze the current and changing scenario of Indian Banking, Insurance and financial service sector.

Course content and Structure: (36 hours)

Module 1: Financial System

5 hours

- Introduction to and Functions of a Financial system
- Indian Financial System, Markets and Regulators
- SEBI: Role and functions of SEBI, Recent Financial sector reforms of SEBI
- Reserve Bank of India: Functions of RBI. Recent Policy Developments in the Indian Financial system.
- Money Market in India: Organized and Unorganized Market, Money market structure.

Module 2: Banking System and Structure in India

10 Hours

- Introduction to Banking- Retail banking; Wholesale banking and International banking; Universal banking, Banker and customer Relationship; RBI’s Constitution and objectives; Role and function of RBI.

- Payment and collection of Cheques and other Negotiable Instruments.
- Banking Technology- Core banking, Payment system and Electronic banking.
- Fundamentals of Investment Banking Fund based and fee based services.
- Differences between International Banking and Indian Banking;
- Components of Liabilities and Components of Assets; Significance of Asset Liability management; Assets and Liabilities Committee (ALCO); Activities of ALCO.
- Introduction to NPAs and its management, Classification of NPAs and recovery strategy.
- Recent development in Indian banking sector- ATM; Mobile Banking; IMPS; NEFT; RUPAY; E- Banking; Credit and Debit Card; UPI; Block-chain; Fintech; AI Robots; Digitization; Chatbots; Cloud Banking; Biometrics, Payment Banks; FWH for Bankers (Pandemic Effect).

Module 3: Insurance

7 Hours

- Introduction to Insurance and Insurance Laws in India
- Insurable Interest, Insurable Risk, Requirements of an insurable risk.
- Types of Insurance- Life, Fire, Marine, Crop/Agriculture insurance, different Insurance Covers, ULIPs, Endowment Policies
- Significance of insurance to business
- Insurance Premium.
- Actuarial Service Scope.
- Agent Qualifications.
- Recent developments in the Indian Insurance Sector- Insurance Covers for Pandemics; Customer Focused Solutions; Digitization; Enhanced Claim settling processes; Increased Insurance and Rider options.

Module 4: Financial Services in India

9 Hours

- Factoring & Forfeiting – Definition, Functions, Types and Services offered.
- Credit rating: Meaning, process of credit rating, rating methodology, rating agencies and symbols.
- Securitization: Meaning, process, Types of securitisable assets, Benefits of securitization.
- Depository system: objectives, activities, NSDL& CDSL; The process of clearing and settlement.
- Leasing and Hire Purchase

Module 5: Financial Institutions

5 Hours

- Functions and Instruments; Call Money Market; Treasury Bills Market; Commercial Bills Market; Markets for Commercial Paper and Certificate of Deposit, Differences between CDs and CBs, Diff between Bond and Debentures.
- Special Purpose Institutions –NABARD, SIDBI Inclusive Banking Trade Finance, REC Bonds.

Pedagogy:

1. Class room discussions.
2. Enquiry Based Teaching.
3. Webinars, MOOCs, SDPs.
4. Multimedia Cases and Illustrations.

5. Student Teacher Interactive Learning.

Teaching Learning Resources:

RECOMMENDED BOOKS:

1. Principles and Practices of Banking - IIBF, 2/e, Macmillan, New Delhi. ISBN: 9789350597293, 9789350597293
2. Management of Banking and Financial Services, Fourth Edition, By Pearson. ISBN: 9789352861873.
3. Financial services – Khan M Y, 6/e, McGraw Hill. ISBN: 0070585857, 9780070585850.

REFERENCE BOOKS:

1. Banking Theory and Practice, K.C. Shekhar and Lekshmy Shekhar, Vikas Publishing House, 2011. ISBN: 9789325969056
2. Banking and Insurance, O.P Agarwal, Himalaya Publishing House. ISBN: 978-8184884883.
3. Elements of Banking and Insurance, Jyotsna Sethi, Nishwan Bhatia, PHI Learning, ISBN: 9788120346574, 9788120346574
4. Essentials of Banking and Insurance, Sunil Kumar, JSR Publishing House LLP. ISBN: 978-9387684614

Supplementary Resources

1. https://www.rbi.org.in/Scripts/BS_ViewSpeeches.aspx
2. <https://nptel.ac.in/courses/110/106/110106040/>
3. <https://nptel.ac.in/courses/110/105/110105121/>
4. <https://www.coursera.org/learn/fintech-transformation-financial-services>
5. <https://www.coursera.org/lecture/financial-markets-global/insurance-fundamentals-X6HV1>
6. [\(https://onlinecourses.swayam2.ac.in/cec20_mg08/preview\)-](https://onlinecourses.swayam2.ac.in/cec20_mg08/preview/)
7. <https://www.edx.org/school/state-bank-of-india>
8. <https://www.coursera.org/lecture/financial-markets-global/insurance-fundamentals-X6HV1>
9. https://www.youtube.com/watch?v=Ce3A8I7LHMc&ab_channel=HitBullsEyeHitBullsEyeVerified
10. https://www.youtube.com/watch?v=uPqNNshSA9I&ab_channel=CARachanaPhadkeRanadeCARachanaPhadkeRanadeVerified
11. https://www.youtube.com/watch?v=YyWOnt15CYE&ab_channel=TheLogicalLearningTheLogicalLearning

CO-PO Mapping:

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11
CO1	-	-	-	2	-	-	-	-	-	-	-
CO2	3	2	-	3	2	2	2	3	1	1	-
CO3	3	2	1	3	2	2	2	3	1	1	-
CO4	3	2	1	3	2	2	2	3	1	1	2
CO5	3	3	2	3	3	1	3	2	2	2	1

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

Course Title	Behavioral Finance
Term/Semester	IV
Course ID	21MBA336
Credits	3

Introduction:

Too frequently, investors—amateurs and professionals alike—unknowingly fall prey to their best investing intentions. Most often, their disappointment stems from a wide array of well-documented behavioral influences. We know that they are harmful to our financial health, yet we persist in them. Why are behavioral dilemmas so sticky to overcome? Behavioral finance has blossomed—and justly so. It is a key to the justification for active portfolio management. If investors were perfectly rational and always acted in their enlightened self-interest, active management would still have a role because different investors have different goals and preferences and may require different portfolios. Roger Ibbotson, with three colleagues, demonstrated in *Popularity: A Bridge between Classical and Behavioral Finance* that an investment may be popular (and thus offer inferior prospective returns) for perfectly rational reasons—for example, because it offers liquidity or tax savings. And it may be unpopular (and thus offer superior prospective returns) for precisely opposite reasons. But active management based on investor irrationality—that is, on behavioral finance—is much more interesting and likely to be much more rewarding. It turns the students into detectives, hunting down parts of the market where euphoria, despair, ignorance, greed, fear, and a litany of other Behavioral Finance faults reign and prices depart from their fair value. It is in these situations where active managers can add the most value.

Course Outcomes (COs):

At the successful completion of this course the students should be able to;

CO1: Define “Normal Investors” and understand “what Investors really want”

CO2: Examine and Analyze “Efficient Market Hypothesis”

CO3: Apply “Prospect theory and asset pricing models in different situations”

CO4: Evaluate “Heuristics and Behavioral Biases of Investors with empirical evidence”.

CO5: Applying Behavioral Finance theories and overcoming Investor Biases

Course content and Structure: (36 hours)

Module 1: Introduction to Behavioral Finance

6 Hours

- Rational Markets Hypothesis, Intellectual Underpinnings, The Rise of the Rational Markets Hypothesis, Impact on Wall Street and the Corporates, The Challenge of Behavioralists, Synthesis and Future Horizons
- Psychology and market people – Understanding investor psychology and their types.
- Investors, portfolio managers, analysts: are they rational?
- Bounded rationality in real market conditions.
- Decision-making process by an investor and behavioral biases.

Module 2: Efficient market hypothesis & Failing EMH

8 Hours

- Theoretical Foundations of the EMH.
- Empirical Support for the EMH.
- Theoretical Challenges to the EMH.
- Empirical Challenges to the EMH.
- An Assessment of EMH

Module 3: Behavioral Aspects of Investing

8 Hours

- Investor Behaviour- Portrait of an Individual Investor, What the Heuristics and Biases Mean for Financial Decision Making, Implications of Overconfidence for Decision Making, Influence of Emotions, Implications of Mental Accounting, Behavioral Portfolio Theory, Knowing Yourself: Psychographic Models, Basic Ingredients of a Sound Investment Philosophy, Guidelines for Overcoming Psychological Biases.
- Market Outcomes, Size Effect and Seasonality, Momentum and Reversal, Post-Earnings Announcement Drift, The Value Premium, The Equity Premium Puzzle, Excessive Volatility, Bubbles, Behavioral Asset Pricing Model.
- Value Investing, Central Tenets of Value Investing, Evidence and Prospects of Value Investing, Strategies of Some Well-Known Value Investors, Academic Research on Value Investing.

Module 4: Behavioral Corporate Finance

8 Hours

- Behavioral Corporate Finance, Rational Managers with Irrational Investors Approach, Valuation, Capital Budgeting, Capital Structure, Dividend Policy, Mergers and Acquisitions (M&A), Agency Conflicts and Corporate Governance.
- Building a Smart Organisation, Challenges in Building a Psychologically Smart Organisation: Accounting, Financial Planning, Incentives, Information Sharing, Group Processes, Improving Organisational Decision-Making Process

Module 5: Contemporary Issues

6 Hours

- Methods to overcome behavioral biases – Anchoring effect, Bandwagon bias, Confirmation bias and Halo Effect and Company Performance.
- Wisdom of Crowds, Fooled by Randomness, Power Laws, Noise and Performance in Stock Market, Stock Market as a Complex Adaptive Systems, Evolutionary Analogy, Animal Spirits, From Homo Economicus to Homo Sapiens, Flaws of Finance, The Clash of Cultures

Pedagogy:

- 1) Classroom Discussions
- 2) Intense Case study analysis
- 3) Running Simulations
- 4) Modelling to evaluate investor psychology
- 5) Expert Talk / Guest Lectures
- 6) Empirical Evidence based Research paper Writing

Teaching Learning Resources:

Essential readings

1. Behavioral Finance, Prasanna Chandra, McGraw Hill Education, ISBN: 978-9385965555.
2. Buy Psychology of Investing, Pearson Publication.

Supplementary Resources

1. Misbehaving- The making of behavioral economics, Richard Thaler, Penguin Press.
2. Nudge, Richard Thaler, Penguin Press.
3. Baker, Malcolm, and Jeffrey Wurgler, 2000, —The equity share in new issues and aggregate stock returns, Journal of Finance 55(5), 2219-2257.

4. Barberis, Nicholas & Thaler, Richard, 2003. "A survey of behavioral finance," Handbook of the Economics of Finance, in: G.M. Constantinides & M. Harris & R. M. Stulz (ed.), Handbook of the Economics of Finance, edition 1, volume 1, chapter 18, pages 1053-1128 Elsevier.
5. <https://jgateplus.com/home/>
6. <https://capitaline.com/>
7. <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
8. <https://elibrary.in.pearson.com/login>

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	1	2	1	1	2	-	3	1	-	-
CO2	3	2	-	1	-	-	-	3	1	2	2
CO3	2	2	-	2	-	-	2	3	2	-	-
CO4	3	3	2	-	2	-	3	3	3	1	3
CO5	3	3	3	1	1	-	3	3	3	2	-

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

<i>Course Title</i>	Risk Management and Derivatives
<i>Term/Semester</i>	IV
<i>Course ID</i>	21MBA341
<i>Credits</i>	3

Introduction:

This course covers one of the most exciting and important areas in finance: derivatives. Financial derivatives such as forwards, futures, swaps, and options allow a risk manager to mitigate or even eliminate unwanted risks their company is facing, thereby allowing the company to focus on its comparative advantage. For instance, a risk manager of a US based company may enter into a forward contract on the British Pound to lock in the exchange rate for future account receivables, the risk manager of an airline may enter into a futures contract on crude oil to hedge against future increases in jet fuel, or a bank may use credit default swaps to hedge the credit risk of a client. RII's use forwards and futures to mitigate their price risk and speculate. The main objective of this course is to help students gain the intuition and to provide the necessary skills for pricing and hedging of derivative securities, and for using them for investment, risk management, and prediction purposes. We discuss a wide range of applications and real-life cases, including the use of derivatives in asset management, the valuation of corporate securities such as stocks and corporate bonds, interest rate derivatives, credit derivatives, as well as crude oil derivatives and currency derivatives.

Course Outcomes (COs):

At the successful completion of this course the students should be able to;

CO1: Understand and appreciate the basics of derivative markets.

CO2: Examine trading and creating effective hedging strategies using futures contracts

CO3: Examine trading and creating effective hedging strategies using options

CO4: Evaluate Risks involved and create risk control systems.

CO5: Analyze how derivative exposures can lead to next world financial crisis as part of contemporary issues in derivatives. (Contemporary issues)

Course content and Structure: (36 hours)

Module 1: Introduction to Derivatives

3 Hours

- Introduction; Meaning, Users and Importance
- Evolution of Derivative markets
- Pricing Forwards; cost-of-carry
- Defining futures; trading futures on the NSE and MCX; marking-to-market; margins; leverage.

Module 2: Principles of Trading and hedging with Futures

9 Hours

- Terminologies (futures)
- Contract specification for exchanges; tick size; orders and order types
- Trading strategies; Going long, Going short, Bull Calendar Spread, Bear Calendar Spread
- Hedging strategies; Hedging single stock position; Hedging a stock portfolio
- Margins and its types; initial, additional, maintenance and MTM
- Clearing and Settlement mechanisms
- Pricing of S&P 500 futures
- Commodity Futures- Introduction and Concepts.

Module 3: Principles of trading and Hedging Using Options

10 Hours

- Option terminologies
- Moneyness of an option; In the money, At the money, Out of money
- Option Strategies; Bullish, Bearish and Neutral
- Black Scholes Option pricing model.

- Greeks ; Delta, Gamma, Theta, Vega, Rho

Module 4: Risk Management Systems and Procedures

8 Hours

- Types of risks; Counterparty, Market, Price, Liquidity
- Risk identification and measurement; Standard Deviation, Beta
- Risk Control Methods; position limits, VaR, Margins
- Separation of Trading, Clearing and Settlement systems
- Internal Control and MIS.
- Regulatory and external controls.

Module 5: Contemporary Issues and Swaps

6 Hours

- Derivatives and Global Financial Crisis
- Swaps (Concept of Interest swap and Currency swap)

Pedagogy:

- 1) Classroom Discussions
- 2) Trading simulations
- 3) Real world currency trading on Trading Apps
- 4) Creating hedging models using Excel.
- 5) Case Study based teaching
- 6) Expert Talk / Guest Lectures / Workshops

Teaching Learning Resources:

Essential Readings

1. Futures and Option Markets, John C. Hull, Pearson Education
2. Derivatives Markets (3rd edition), by Robert L McDonald, Pearson Publication.
3. Derivatives & Risk Management, Rajiv Srivastava, 4th Edition, Oxford Publication House.

References

1. Risk Management & Derivative, Rene M. Stulz, Cengage
2. Sheldon Natenberg, Option Volatility and Pricing: Advanced Trading Strategies and Techniques (2nd Edition).
3. Kerry Back, A Course in Derivative Securities: Introduction to Theory and Computation.

Supplementary Resources

1. <https://www.icmrindia.org/casestudies/catalogue/finance/Derivatives%20Trading%20in%20India%20Finance.htm>
2. https://www.richmondfed.org/~media/richmondfedorg/publications/research/economic_quarterly/1995/fall/pdf/kuprov.pdf
3. <https://core.ac.uk/display/6993593>
4. [Financial Derivatives, NPTEL](#)
5. <https://jgateplus.com/home/>
6. <https://capitalline.com/>
7. <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
8. <https://elibrary.in.pearson.com/login>
9. NCFM Dealers Module in derivatives market

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	1	-	-	-	-	-	3	1	-	-
CO2	3	2	-	-	-	-	-	3	1	-	-
CO3	2	2	-	-	-	-	2	3	2	-	-
CO4	3	3	-	-	-	-	3	3	3	-	-
CO5	3	3	-	-	-	-	3	3	3	-	-

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments (Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

Course Title**INTERNATIONAL FINANCIAL MANAGEMENT**

Term/Semester	IV
Course ID	21MBA342
Credits	3

Introduction:

“As for Foreign Exchange, it is almost as romantic as young love and quite as resistant to formulae”.
- H.L. Mencken

While tradition dictates that we continue to refer to the syllabus matter in this course as international financial management, the modifier “international” is becoming increasingly redundant: today, with fewer and fewer barriers to international trade and financial flows, and with communications technology directly linking every major financial center, all finance is becoming “international.” Indeed, not only are domestic financial markets increasingly internationally integrated, but the problems faced by companies and individuals in different lands are remarkably similar. Knowledge of international finance can help a financial manager decide how international events will affect a firm and what steps can be taken to exploit positive developments and insulate the firm from harmful ones. Among the events that affect the firm and that must be managed are changes in exchange rates as well as interest rates, inflation rates, and asset values. These different changes are themselves related. While we shall emphasize the managerial issues of international finance in this course, it is important to emphasize that the international flows of goods and capital that are the source of supply of and demand for currencies, and hence essential to the subject of international finance, are fundamental to our well-being.

Course Outcomes (COs):

At the successful completion of this course the students should be able to;

- CO1: Understand and appreciate the fundamental theories of international finance and BOP
- CO2: Examine exchange rate mechanisms
- CO3: Evaluate the sources of risks in FOREX and sources of Arbitrage
- CO4: Apply effective risk management strategies using currency derivatives.
- CO5: Applying Swaps to real world problems for effective Hedging

Course content and Structure: (36 hours)**Module 1: Introduction to International Finance****4 Hours**

- Scope, Importance of International Finance- The Importance, Rewards & Risk Of International Finance Goals Of MNC- International Business Methods.
- Balance of Payments (Components and structure, Importance, Economic Relevance)
- Demand and Supply aspects of Currency Market.
- Foreign Exchange Market: Function and Structure of the Forex markets, Foreign exchange market participants
- Exchange Rate Regimes / Evolution (Gold Standard, Bretton Woods, Flexible Exchange)

Module 2: Exchange Rate Management & Arbitrage**8 Hours**

- Forecasting FOREX rates.
- Different kinds of forex Exposures.

- Types of transactions and Settlements Dates, Exchange rate quotations, Determination of Exchange rates in Spot markets.
- Foreign Bank note market (Meaning and mechanisms)
- Interbank Spot (Mechanisms)
- Spot and Forward Rates (Using Forward Schedule, Annualized Forward Margin)
- Quotations (Two way quotes, Direct Quote, Indirect Quote, Cross Rates).
- Geographical, Triangular and Interest rate Arbitrage (Covered and Uncovered interest Parity)

Module 3: Currency F&O

8 Hours

- Currency Futures & Options Strategies
(Price Action, Trend trading, Counter trend trading, Breakout trading, Range trading, Position Trading)

Module 4: Currency Hedging (SWAPS)

8 Hours

- Credit Default SWAPS (CDS)
- Currency Swaps-Interest Rate Swap- problems on both two way and three way swaps. (Theory & Problems)

Module 5: Contemporary Issues

8 Hours

- Tax Heavens and Offshore Banking
- Euro Currency Markets including Depository Receipts (ADR's, GDR's and IDR's)
- Money Laundering and Anti Money Laundering / Compliance measures
- IFRS

Pedagogy:

- 1) Classroom Discussions
- 2) Currency trading simulations
- 3) Real world currency trading on Trading Apps
- 4) Creating hedging models using Excel.
- 5) Case Study Analysis
- 6) Expert Talk / Guest Lectures

Teaching Learning Resources:

Essential Readings

1. Jeff Madura, International Financial Management, South-Western College Publishing, ISBN: 9781133947837.
2. Krugman & Obsfeld. (2018). International Finance, Pearson Publication
3. Levi, M. (2020). International Finance, Taylor and Francis.
4. Daniel, K. (2018). Principles of International Finance, McGraw Hill.
5. Somanath, V. (2017). International Financial Management, I.K. Publication
6. Apte, Prakash, —International Finance – A Business Perspective, Tata McGraw Hill.
7. David B. Zenoff & Jack Zwick: International Financial Management.
8. Rita M. Rodriguez L. Bigame Carter: International Financial Management.
9. V. A. Avadhani: International Finance- Theory and Practice, Himalaya Publishing House.

References

- Jain, Peyrard, and Yadav—International Financial Management, MacMillan
- J. Fred Weston, Bart: Guide to International Financial Management.
- Robery O. Edmister: Financial Institutions - markets and Management.
- A.V. Rajwade: Foreign Exchange International Finance and Risk Management, Prentice Hall.
- Apte P.G., International Financial Management, Tata McGraw Hill,

- Eun and Resnik, International Financial Management, Tata Mcgraw Hill
- Bekaert, Greet and Hodrick, Robert J., 'International Financial Management', Prentice Hall.
- Shapiro, Alan C., 'Multinational Financial Management', John Wiley.
- Adrian Buckley, Multinational finance, Third Edition, Prentice-Hall of India Pvt. Ltd., 12.Madhu Vij, International Financial Management, Excel Books
- H.R. Machiraju, International Financial Management, Himalaya Publishing House
- Thummuluri Siddaiah, International Financial Management, PearsonNote: Latest edition of the readings may be used

Supplementary Resources:

- <https://jgateplus.com/home/>
- <https://capitaline.com/>
- <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
- <https://elibrary.in.pearson.com/login>

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	1	-	-	-	-	-	3	1	-	-
CO2	3	2	-	-	-	-	-	3	1	-	-
CO3	2	2	-	-	-	-	2	3	2	-	-
CO4	3	3	-	-	-	-	3	3	3	-	-
CO5	3	3	-	-	-	-	3	3	3	-	-

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

Course Title**FINANCIAL ANALYTICS**

Term/Semester	IV
Course ID	21MBA343
Credits	3

Introduction:

This course deals with the application aspects related to analytics in the area of finance, covering credit risk, fraud management and retail banking. It is fairly clear that these days, there is a growing need for using the huge amount of data that gets generated and captured using technology, for making decisions. The management students are expected to have adequate knowledge in this field and accordingly, the course has been structured. This is an introductory course and students who would like to take up career in this area are expected to pursue further studies. This course attempts to understand the process and techniques of data mining for fact based decision making using EXCEL, R and Python for descriptive and predictive modeling in finance domain.

COURSE OUTCOMES (CO):

On successful completion of this course, the students should be able to;

CO1: Understand and appreciate applied analytics for problems in domain finance

CO2: Differentiate between models with robustness criteria in domain finance

CO3: Determine the tool to be chosen for a practical business problem in domain finance

CO4: Interpret the outcome for the same

CO5: Take a complete business decision

Course content and Structure**(36 hours)****Module 1: Fundamentals of Financial Analytics (FA)****6 hours**

-
- Analytics for a New Decade:
 - Post Crisis Analytics;
 - the Imperatives;
 - Productizing Analytic;
 - Innovation:
 - The Quest for Quality,
 - Standardization and Technology Governance.
 - How to structure the Unstructured Data;
 - The Convergence of Structured and Unstructured Analytics.

Module 2: Predictive Analytics in Finance**8 Hours**

- Forecasts with Credit Risk Analysis;
- Unstructured Data Analytics;
- Value at Risk (VaR) applications in estimating Risk

Module 3: Application of Analytics in Finance (Used cases):**8 Hours**

- Targeting potential customer
-

-
- Customer spend analysis
 - Extension of benefit and scheme to credit cardholders

Module 4: Application of AI and ML in Finance

6 Hours

- Analytics in cross-selling
- Unlocking the True Value of a Transaction
- Real-time fraud analytics

Module 5: Emerging Trends in Financial Analytics

8 Hours

- Blockchain
- Cryptocurrency
- FINTECH
- Algorithm trading

Pedagogy and Teaching Aid

1. Class discussions with aided YouTube videos

1.1. Concepts will be discussed and debated post and during the video

2. Software linked hands-on working

2.1. MS-Excel up to 2016 will be used live by both instructor and the students during the session

2.2. R & Python 3 will be used live by both instructor and the students during the session

3. Mock Data (Supervised Learning and Unsupervised Learning) would be supplied by the instructor as .csv files

Teaching Learning Resources:

Essential Readings

1. Python for Finance: Mastering Data-Driven Finance 2nd Edition, Kindle Edition, by Yves Hilpisch, O'Reilly Media, ISBN- 978-1492024330
2. Financial Analytics with R: Building a Laptop Laboratory for Data Science 1st Edition, Kindle Edition, by Mark J. Bennett & Dirk. L. Hugen, Cambridge University Press, ISBN- 978-1107150751

Supplementary Resources

- <https://jgateplus.com/home/>
- <https://capitaline.com/>
- <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>
- <https://elibrary.in.pearson.com/login>
- https://www.youtube.com/watch?v=7zoTm84Hmhg&list=PLJzvu5X33puw_XkZiegE7sUpaP6YIKEW_&index=1
- https://www.youtube.com/watch?v=SzE8s_pnaMc&list=PLJzvu5X33puw_XkZiegE7sUpaP6YIKEW_&index=2
- https://www.youtube.com/watch?v=p4D1g_h6q5Q&list=PLJzvu5X33puw_XkZiegE7sUpaP6YIKEW_&index=3
- https://www.youtube.com/watch?v=mAwSlgNkjb8&list=PLJzvu5X33puw_XkZiegE7sUpaP6YIKEW_&index=7
- https://www.youtube.com/watch?v=4ghXXQAHgkI&list=PLJzvu5X33puw_XkZiegE7sUpaP6YIKEW_&index=8
- https://www.youtube.com/watch?v=yPWvR1GCv_s&list=PLJzvu5X33puw_XkZiegE7sUpaP6YIKEW_&index=10

- [Applying Data Analytics in Finance by Sung Won Kim and Jose Luis Rodriguez from University of Illinois at Urbana-Champaign.](#)
- [Python and Statistics for Financial Analysis by Xuhu Wan from Hong Kong University of Science and Technology.](#)
- [Employing Deep Learning In Intraday Stock Trading](https://www.researchgate.net/publication/347840605)
- [Bankruptcy Modelling of Indian Public Sector Banks Evidence from Neural Trace](https://www.researchgate.net/publication/331225184)
- [FRA-CDS-VDAX based credit crash model A German conundrum](https://www.researchgate.net/publication/318701819)
- [Analysing Indian G-Secs with a Predictive Approach](https://www.researchgate.net/publication/322163251)
- [PSU Bank Modeling- A comparative modeling approach involving Artificial Neural Network and Panel Data Regression](https://www.researchgate.net/publication/303775904)

CO PO Mapping:

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11
CO1	2	2				2	2	2	2		
CO2	2	2				2	2	2	2		
CO3	2	2				2	2	2	2		
CO4			2	2	2					2	2
CO5			2	2	2					2	2

LEVEL 3-Substantial 2-Moderate 1-Slight "-" No Co-relation

COURSE EVALUATION PLAN:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
1	End Term Exam	Individual	50	At the end of the semester
2	Internal test 1	Individual	5	After completion of 2-3 modules
3	Internal test- 2	Individual	5	After completion of all the modules
4	Attendance and Class participation	Individual	10	At the end of the semester
5	Remaining assignments(Quiz, Individual assignment, Cap-Stone project, Major or minor project, Group assignments etc)	Individual	30	Full Semester

<i>Course Title</i>	COST MANAGEMENT
<i>Term/Semester</i>	IV
<i>Course ID</i>	21MBA344
<i>Credits</i>	3

Introduction:

Good management is the lifeblood of a healthy corporate body. Getting rid of it to save cost is like losing weight by giving blood- *By Tom DeMarco*

This course facilitates students on how to extract and modify costs in order to make informed managerial decisions. Planning is covered by topics including activity-based costing, budgeting, flexible budgeting, cost-volume-profit analysis, cost estimating, and outsourcing costs. Control is covered by topics including standard costing, variance analysis, responsibility accounting, and performance evaluation. Emphasis is placed on cost terminology (the wide variety of costs), cost behaviour, cost systems, and the limitations concerning the use of average costs.

Course Outcomes (COs):

After completion of this course, students will be able to;

CO1: Understand and appreciate cost systems in modern business organizations and the process of arriving at the cost of a product or service.

CO2: Apply the utility of the CVP model in managerial decision making

CO3: Critically evaluate various costing methods such as marginal costing, budgetary control, standard costing, etc.

CO4: Understand and appreciate the development in cost management in the present era

Course content and Structure: (36 hours)

Module 1: Introduction to Cost Management

7 Hours

- Introduction and Meaning of cost: Cost accounting vs Cost management
- Cost management: Concept of cost centers; profit centers and investment centers.
- Cost units classification of costs: cost analysis for management decision making.
- Determining product cost: allocation and absorption of factory overheads; job order costing and process costing(only theory).
- Activity-Based Costing and Strategic importance of cost management
- Preparation of cost sheet (problems on cost sheet).

Module 2: Overheads

6 Hours

- Classification of overheads: Cost allocation and cost apportionment;
- Primary and secondary distribution of overheads (Basic problems).
- Absorption of Overheads: Under and over absorption of overheads (Basic problems).

Module 3: Marginal Costing

10 Hours

- Marginal Costing: Meaning; advantages and disadvantages of Marginal costing; Marginal cost techniques; Break-Even Point (including graphical analysis);
- P/V Ratio and Margin of Safety: Applications of marginal costing technique (All types of problems)
- Utility of Cost Volume Profit (CVP) Model in Management Decision Making

Module 4: Standard Costing and Budgetary Control

10 Hours

- Standard Costing: Meaning of standard costing and variance analysis; Need for setting standards;
- Variance analysis: Material; Labour and Overhead variances (problems only on Material and Labour Variance)
- Cost control and cost reduction: Tools and techniques of cost control and cost reduction (Only theory).
- Budgetary control: Meaning and objectives of budgetary control;
- Types of budgets; Problems on Sales Budget, Production Budget, Cash Budget and Material Budget.

Module 5: Contemporary Developments in Cost Management

3 Hours

- Life Cycle costing (Only Theory)
- Target costing (Only Theory)
- Kaizen Costing (Only Theory)
- Value Analysis and Value Engineering (Only Theory)
- Socio-Economic Costing (Only Theory)

Pedagogy:

- 1) Classroom Discussion
- 2) Practice-based teaching using excel other application tools/software
- 3) Project Based teaching- Company's Financial Statement
- 4) Case study based teaching- Research paper
- 5) Industry Interaction with Practitioner

Teaching Learning Resources:

Essential readings

- Cost Accounting by Jawahar Lal & Seema Srivastava, 4th Edition, Tata McGraw Hill, Publication.
- Cost Accounting Principles and Practice by M. N. Arora, 12th Edition, Vikas Publication, ISBN: 978-93259-6394-8
- Management and Cost Accounting, 7th edition- Charles T Horngren, Alnoor Bhimani
- Cost Accounting, Text Problems and Cases, by Jawahar Lal, Seema Srivastava & Manisha Singh, 6th Edition, Tata McGraw Hill, Publication.

References

- Strategic Cost Management, Roger Hussey, Audra Ong, Activity-based costing, Balanced scorecard, Cost analysis, Cost control, Finance and investing Variance analysis. Harvard Business Publishing
- Jain & Narang, Cost Accounting, Kalyani Publishers
- Introduction to Cost-Accounting Systems- *David F. Hawkins, Jacob Cohen*. Harvard Business Publishing

Supplementary Resources

- <https://jgateplus.com/home/>
- <https://capitaline.com/>
- <http://web.b.ebscohost.com/ehost/search/basic?vid=1&sid=c8b5124d-307d-4f0a-843e-3b13e9156a4a%40pdc-v-sessmgr06>

- <https://elibrary.in.pearson.com/login>
- <https://icmai.in/studentswebsite/studymat.php>
- MOOC on Engineering Project Management: Scope, Time and Cost Management-By RICE

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	2	2	1	1	1	2	2	3	1	2
CO2	2	2	1	-	1	-	2	2	2	1	1
CO3	2	1	1	2	1	1	1	3	3	2	2
CO4	2	2	1	1	1	1	2	1	2	1	-

LEVEL 3-Substantial 2-Moderate 1-Slight - No Co-relation

Course Evaluation Plan:

Sl. No.	Evaluation Item	Unit of Evaluation	Marks Allotted	Timeline
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